

Appendix B-2f

QC Rejection Documentation



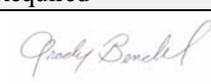
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NONCONFORMANCE REPORT

		Report No. TO-20 NCR-01
Client: COE Huntsville		Project Number: DACA87-99-D-0010
Project: Former Ft. McClellan TO-20		Specific Process: Intrusive Excavation
Description of Process: Intrusively investigate geophysical anomalies selected by the Geophysicist.		
I. Description of Nonconformance <i>(Items involved, specification, code or standard to which items do not comply, submit sketch if applicable)</i>		
<p>During QC Acceptance Sampling of segment 176 (Mag and Dig on the sides), The QC Team recovered ferrous metal items that meet the following failure criteria (measurement along the principle axis is 3 times the diameter, which is between 37mm projectile and a 155mm projectile at a depth of less than 11 diameters of the object). The recovered item was a 75mm HE fragment that was found 21' 3" north of the southern stake and 14' 8" west of the center line of the road at a depth of 10".</p> <p>Segment 176 is being withheld.</p>		
Name and Signature of Person Reporting Nonconformance	Title/Company	Date
Grady Bendel 	UXO Site QC	12-3-03
II. Root Cause Analysis		
Immediate Causes: What actions and conditions contributed to this event? Check all that apply:		
Substandard Acts		
<input type="checkbox"/> Operating equipment without authority	<input type="checkbox"/> Inadequate inspection/peer review	
<input checked="" type="checkbox"/> Failure to follow/improper execution of procedure	<input type="checkbox"/> Poor judgment	
<input type="checkbox"/> Using equipment improperly	<input type="checkbox"/> Failure to communicate—written and/or verbal	
<input type="checkbox"/> Improper servicing/maintenance of equipment	<input type="checkbox"/> Acceptance of defective equipment/material	
<input type="checkbox"/> Under influence of alcohol/drugs	<input type="checkbox"/> Other substandard acts	
<input type="checkbox"/> Horseplay		
Substandard Conditions		
<input type="checkbox"/> Personnel not properly qualified or trained	<input checked="" type="checkbox"/> Inadequate oversight	
<input type="checkbox"/> Defective equipment/material	<input type="checkbox"/> Inadequate procedure/instruction	
Enter brief explanation of each immediate cause below:		
<p>The standard operating procedure requires the team leader to verify adequate coverage of the mag and dig area. The 75MM fragments were found 14'.8" from the centerline of the road which was 2" from the edge of the clearance area. The team leader failed to ensure the team members swept the entire 15' from centerline of the road.</p>		
Basic Causes: What specific personal or job management system factors contributed to this event? Check all that apply:		
Personal Factors	Job Factors	
<input type="checkbox"/> Inadequate physical/physiological capability	<input checked="" type="checkbox"/> Inadequate leadership and/or supervision	
<input type="checkbox"/> Inadequate mental/psychological capability	<input type="checkbox"/> Inadequate engineering	
<input type="checkbox"/> Physical or physiological stress	<input type="checkbox"/> Inadequate purchasing	
<input type="checkbox"/> Lack of knowledge	<input type="checkbox"/> Inadequate maintenance	
<input type="checkbox"/> Lack of skill	<input type="checkbox"/> Inadequate tools and equipment	
<input type="checkbox"/> Improper motivation	<input type="checkbox"/> Inadequate work standards	
<input checked="" type="checkbox"/> Other personal factors	<input type="checkbox"/> Excessive wear and tear	
	<input type="checkbox"/> Abuse and misuse	
	<input type="checkbox"/> Change	
	<input type="checkbox"/> Other job factors	
Enter brief explanation of each basic cause below:		
<p>The Intrusive Team Leader did not verify total coverage of the clearance area; this resulted in a gap that led to the QC failure.</p>		
Name and Signature of Person Conducting RCA	Title/Company	Date
Grady Bendel 	UXO Site QC	12-3-03

NONCONFORMANCE REPORT

III. Recommended Disposition <i>(Submit sketch, if applicable)</i>			
Rework segment 176.			
Name and Signature of Person Recommending Disposition	Title/Company	Date	
Grady Bendel 	UXO Site QC	12-3-03	
IV. Evaluation of Disposition by Tetra Tech FW, Reason for Disposition			
N/A			
V. Corrective Action <input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required			
The intrusive team will rework segment 176 to ensure area is properly cleared of all ferrous metal items that would meet the failure criteria. Conduct training for the Intrusive teams on the mag and dig procedures concentrating on proper lane setup and coverage.			
VI. <input checked="" type="checkbox"/> QA/QC	<input checked="" type="checkbox"/> SUXOS	<input checked="" type="checkbox"/> Project Manager	<input type="checkbox"/> Other
Name <i>(Signature)</i>	Name <i>(Signature)</i>	Name <i>(Signature)</i>	Name <i>(Signature)</i>
			
Date 12-3-03	Date 12-3-03	Date 12-3-03	Date
<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments
VII. Verification of Disposition <input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required			
By	Signature	Title	Date
Grady Bendel		UXO Site QC	12-4-03

Daily Quality Control Report Form

Tetra Tech FW, Inc.

Date 12/3/2003	Day Wednesday	Report Number 120203QC750	Project Name Fort McClellan, Alabama	Contract Number DACA87-99-D-0010
Weather/Precipitation Clear and Sunny		High 55	Low 38	Wind 5-10 mph
Humidity 95%				
TtFWI Personnel On Site (Reference/Attach Superintendent's Daily Report if Applicable) See Daily Report				
Equipment On Site See Daily Report			Active this Shift Yes/No Yes	
Subcontractors On Site USAE			Subcontractor's QC Report Attached Yes/No Yes	
Material/Equipment Received (Reference/Attach Inspection Reports) None				
Work Performed Geophysical mapping, reacquire, intrusive investigation, demolition, QA/QC activities				
Quality Control Activities (Reference/Attach Inspection Report).				
<i>Task Order 20 FWS Land Transfer Area</i> Conducted a follow-up inspection on intrusive team #1. See attached report. Conducted QC checks. Withheld segment 176. See attached report. <i>Other</i> No Activity				
Problems Encountered/Corrective Actions Taken Upon review of Root Cause Analysis, determined that team had performed procedural errors. Contacted Team Leader and notified him of findings and the need to adhere to procedures. Recommended to SUXOS to have segment 176 rechecked. Will QC check after team reworks.				
Directions Given/Received Recommended to SUXOS to have segment 176 rechecked.				
Special Notes/Other None				
Visitors None				

Grady Bendel

Name



Signature

Site UXO QC Specialist

Title

**QC SURVEILLANCE REPORT
DACA87-99-D-0010
Former Ft. McClellan**

1 - Activity		
<input type="checkbox"/> Project Management	<input type="checkbox"/> Geophysical Data Collection	<input type="checkbox"/> Data Management
<input checked="" type="checkbox"/> Intrusive Investigation	<input type="checkbox"/> Geophysical Data Processing	<input type="checkbox"/> Demolition
<input type="checkbox"/> Surface Clearance	<input type="checkbox"/> Anomaly Reacquisition	<input type="checkbox"/> UXO Avoidance
<input type="checkbox"/> Survey	<input type="checkbox"/> Scrap Processing	<input checked="" type="checkbox"/> Other: QC Acceptance Sampling
2 - Phase		
<input type="checkbox"/> Preparatory	<input type="checkbox"/> Initial	<input type="checkbox"/> Follow up
3 - References		
SSWP TO-0020 (U.S. Fish and Wildlife Land Transfer)		
4 - Observed Condition/Activities:		
U.S. Fish and Wildlife Land Transfer		
<p>During QC check on 12/03/03 of segment 176 (Mag and Dig on the sides), items meeting the failure criteria of ferrous object where the measurement along the principle axis is 3 times the diameter, which is between 37mm projectile and a 155mm projectile at a depth of less than 11 diameters of the object were found during QC checks. Segment is being with held.</p> <ul style="list-style-type: none"> The intrusive team left 75mm HE frag that was found by QC at 21 foot 3 inches north of southern stake and 14 foot 8 inches west of center line of the road at a depth of 10 inches. Under the acceptance criteria, this would constitute a QC failure. 		
Segment 176 – Pic 1		Segment 176 – Pic 2
<p align="center">Personnel present: Grady Bendel UXO SITE QC, Todd Biggs Project Manager</p>		
Conducted By: Grady Bendel	Signature: 	Date: 12/03/03
5- Site UXO QC Specialist Review		
<p>Upon review of Root Cause Analysis, determined that team had performed procedural errors. Contacted Team Leader and notified him of findings and the need to adhere to procedures. Recommended to SUXOS to have segment 176 rechecked. Will QC check after team reworks.</p>		
<input type="checkbox"/> Acceptable	Deficiency Report #: N/A	
<input checked="" type="checkbox"/> Unacceptable	Non-Conformance Report #: TO-20 NCR-01	
Name: Grady Bendel	Signature: 	Date: 12/03/03

Daily Quality Control Report Form

Tetra Tech FW, Inc.

Date 12/4/2003	Day Thursday	Report Number 120403QC751	Project Name Fort McClellan, Alabama	Contract Number DACA87-99-D-0010
Weather/Precipitation Clear and Sunny		High 58	Low 40	Wind 10-20 mph
Humidity 96%				
TtFWI Personnel On Site (Reference/Attach Superintendent's Daily Report if Applicable) See Daily Report				
Equipment On Site See Daily Report			Active this Shift Yes/No Yes	
Subcontractors On Site USAE			Subcontractor's QC Report Attached Yes/No Yes	
Material/Equipment Received (Reference/Attach Inspection Reports) None				
Work Performed Geophysical mapping, reacquire, intrusive investigation, demolition, QA/QC activities				
Quality Control Activities (Reference/Attach Inspection Report).				
<i>Task Order 20 FWS Land Transfer Area</i> Conducted a follow-up inspection on demolition team. See attached report. Conducted a follow-up inspection on VTA team. See attached report. Conducted QC checks on road segments. Rechecked segment 176. See attached report. <i>Other</i> Conducted a weekly inventory of TtFWI explosives stored at the Fort McClellan work site. See attached report.				
Problems Encountered/Corrective Actions Taken None				
Directions Given/Received None				
Special Notes/Other None				
Visitors None				

Grady Bendel

Name



Signature

Site UXO QC Specialist

Title

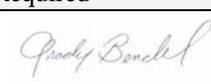
QC SURVEILLANCE REPORT
DACA87-99-D-0010
Former Ft. McClellan

1 - Activity		
<input type="checkbox"/> Project Management	<input type="checkbox"/> Geophysical Data Collection	<input type="checkbox"/> Data Management
<input checked="" type="checkbox"/> Intrusive Investigation	<input type="checkbox"/> Geophysical Data Processing	<input type="checkbox"/> Demolition
<input type="checkbox"/> Surface Clearance	<input type="checkbox"/> Anomaly Reacquisition	<input type="checkbox"/> UXO Avoidance
<input type="checkbox"/> Survey	<input type="checkbox"/> Scrap Processing	<input checked="" type="checkbox"/> Other: QC Acceptance Sampling
2 - Phase		
<input type="checkbox"/> Preparatory	<input type="checkbox"/> Initial	<input type="checkbox"/> Follow up
3 - References		
SSWP TO-0020 (U.S. Fish and Wildlife Land Transfer)		
4 - Observed Condition/Activities:		
U.S. Fish and Wildlife Land Transfer		
12/04/03 rechecked segment 176, No further items were found after additional QC sampling was done.		
<ul style="list-style-type: none"> • The Intrusive team Reworked segment 176. • Under the acceptance criteria this would constitute a QC pass. 		
Personnel present: Grady Bendel UXO SITE QC		
Conducted By: Grady Bendel	Signature: 	Date: 12/04/03
5- Site UXO QC Specialist Review		
QC checked after team reworked. Found no further action required.		
<input checked="" type="checkbox"/> Acceptable	Deficiency Report #: N/A	
<input type="checkbox"/> Unacceptable	Non-Conformance Report #: N/A	
Name: Grady Bendel	Signature: 	Date: 12/04/03

NONCONFORMANCE REPORT

		Report No. TO-20 NCR-02
Client: COE Huntsville		Project Number: DACA87-99-D-0010
Project: Former Ft. McClellan TO-20		Specific Process: Intrusive Excavation
Description of Process: Intrusively investigate geophysical anomalies selected by the Geophysicist.		
I. Description of Nonconformance <i>(Items involved, specification, code or standard to which items do not comply, submit sketch if applicable)</i>		
During QC Acceptance Sampling of segment 149 (Mag and Dig on the sides), The QC Team recovered ferrous metal items that meet the following failure criteria (measurement along the principle axis is 3 times the diameter, which is between 37mm projectile and a 155mm projectile at a depth of less than 11 diameters of the object). The recovered item was a 2" x 3" Hinge (1 ea), 1.5" Washer (1 ea) and a 75mm Shrapnel pusher Plate (1 ea). Segment 149 is being withheld.		
Name and Signature of Person Reporting Nonconformance	Title/Company	Date
Grady Bendel 	UXO Site QC	12-10-03
II. Root Cause Analysis		
Immediate Causes: What actions and conditions contributed to this event? Check all that apply:		
Substandard Acts		
<input type="checkbox"/> Operating equipment without authority	<input type="checkbox"/> Inadequate inspection/peer review	
<input checked="" type="checkbox"/> Failure to follow/improper execution of procedure	<input type="checkbox"/> Poor judgment	
<input type="checkbox"/> Using equipment improperly	<input type="checkbox"/> Failure to communicate—written and/or verbal	
<input type="checkbox"/> Improper servicing/maintenance of equipment	<input type="checkbox"/> Acceptance of defective equipment/material	
<input type="checkbox"/> Under influence of alcohol/drugs	<input type="checkbox"/> Other substandard acts	
<input type="checkbox"/> Horseplay		
Substandard Conditions		
<input type="checkbox"/> Personnel not properly qualified or trained	<input checked="" type="checkbox"/> Inadequate oversight	
<input type="checkbox"/> Defective equipment/material	<input type="checkbox"/> Inadequate procedure/instruction	
Enter brief explanation of each immediate cause below:		
The standard operating procedure requires the team leader to ensure the mag and dig sweeps are conducted at a speed that allows for total coverage of the mag and dig lanes. Sweeping to fast allows for gaps in the sensor sweep area.		
Basic Causes: What specific personal or job management system factors contributed to this event? Check all that apply:		
Personal Factors		Job Factors
<input type="checkbox"/> Inadequate physical/physiological capability	<input checked="" type="checkbox"/> Inadequate leadership and/or supervision	
<input type="checkbox"/> Inadequate mental/psychological capability	<input type="checkbox"/> Inadequate engineering	
<input type="checkbox"/> Physical or physiological stress	<input type="checkbox"/> Inadequate purchasing	
<input type="checkbox"/> Lack of knowledge	<input type="checkbox"/> Inadequate maintenance	
<input type="checkbox"/> Lack of skill	<input type="checkbox"/> Inadequate tools and equipment	
<input type="checkbox"/> Improper motivation	<input type="checkbox"/> Inadequate work standards	
<input type="checkbox"/> Other personal factors	<input type="checkbox"/> Excessive wear and tear	
	<input type="checkbox"/> Abuse and misuse	
	<input type="checkbox"/> Change	
	<input type="checkbox"/> Other job factors	
Enter brief explanation of each basic cause below:		
The Intrusive Team Leader failed to ensure team members follow proper sweep procedures. This resulted in ferrous metal items being missed that meet the failure criteria.		
Name and Signature of Person Conducting RCA	Title/Company	Date
Grady Bendel 	UXO Site QC	12-10-03

NONCONFORMANCE REPORT

III. Recommended Disposition <i>(Submit sketch, if applicable)</i>			
Rework segment 149			
Name and Signature of Person Recommending Disposition	Title/Company	Date	
Grady Bendel 	UXO Site QC	12-10-03	
IV. Evaluation of Disposition by Tetra Tech FW, Reason for Disposition			
N/A			
V. Corrective Action <input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required			
The intrusive team will rework segment 149 and ensure all ferrous metal items that would meet the failure criteria are cleared.. Conduct training for the Intrusive teams on mag and dig procedures reiterating the proper sweep speed and sensor search area..			
VI. <input checked="" type="checkbox"/> QA/QC	<input checked="" type="checkbox"/> SUXOS	<input checked="" type="checkbox"/> Project Manager	<input type="checkbox"/> Other
Name <i>(Signature)</i>	Name <i>(Signature)</i>	Name <i>(Signature)</i>	Name <i>(Signature)</i>
			
Date 12-10-03	Date 12-10-03	Date 12-10-03	Date
<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments
VII. Verification of Disposition <input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required			
By	Signature	Title	Date
Grady Bendel		UXO Site QC	12-11-03

Daily Quality Control Report Form

Tetra Tech FW, Inc.

Date	Day	Report Number	Project Name	Contract Number
12/10/2003	Wednesday	121003QC754	Fort McClellan, Alabama	DACA87-99-D-0010
Weather/Precipitation		High	Low	Wind
Clear and Sunny		49	28	5-10 mph
TtFWI Personnel On Site (Reference/Attach Superintendent's Daily Report if Applicable)				
See Daily Report				
Equipment On Site			Active this Shift Yes/No	
See Daily Report			Yes	
Subcontractors On Site			Subcontractor's QC Report Attached Yes/No	
USAE			Yes	
Material/Equipment Received (Reference/Attach Inspection Reports)				
None				
Work Performed				
Geophysical mapping, reacquire, intrusive investigation, demolition, QA/QC activities				
Quality Control Activities (Reference/Attach Inspection Report).				
<i>Task Order 20 FWS Land Transfer Area</i>				
Conducted a follow-up inspection on intrusive team #1. See attached report.				
Conducted a follow-up inspection on intrusive team #2. See attached report.				
Conducted a follow-up inspection on VTA team. See attached report.				
Conducted QC checks. Withheld segment 149. See attached report.				
<i>Other</i>				
No Activity				
Problems Encountered/Corrective Actions Taken				
Upon review of Root Cause Analysis, determined that team had performed procedural errors. Contacted Team Leader and notified him of findings and the need to adhere to procedures. Recommended to SUXOS to have segment 149 rechecked. Will QC check after team reworks.				
Directions Given/Received				
Recommended to SUXOS to have segment 149 rechecked.				
Special Notes/Other				
None				
Visitors				
None				

Grady Bendel

Name



Signature

Site UXO QC Specialist

Title

QC SURVEILLANCE REPORT

DACA87-99-D-0010

Former Ft. McClellan

1 - Activity		
<input type="checkbox"/> Project Management	<input type="checkbox"/> Geophysical Data Collection	<input type="checkbox"/> Data Management
<input checked="" type="checkbox"/> Intrusive Investigation	<input type="checkbox"/> Geophysical Data Processing	<input type="checkbox"/> Demolition
<input type="checkbox"/> Surface Clearance	<input type="checkbox"/> Anomaly Reacquisition	<input type="checkbox"/> UXO Avoidance
<input type="checkbox"/> Survey	<input type="checkbox"/> Scrap Processing	<input checked="" type="checkbox"/> Other: QC Acceptance Sampling
2 - Phase		
<input type="checkbox"/> Preparatory	<input type="checkbox"/> Initial	<input type="checkbox"/> Follow up
3 - References		
SSWP TO-0020 (U.S. Fish and Wildlife Land Transfer)		
4 - Observed Condition/Activities:		
<p>U.S. Fish and Wildlife Land Transfer</p> <p>During QC check on 12/10/03 of Segment 149 (Mag and Dig on the sides), 3 items meeting the failure criteria of ferrous object where the measurement along the principle axis is 3 times the diameter, which is between 37mm projectile and a 155mm projectile at a depth of less than 11 diameters of the object were found during QC checks. Segment is being with held.</p> <ul style="list-style-type: none"> The intrusive team left 3 pieces that were found by QC. 1-2" x 3" hinge, 1 75mm shrapnel pusher plate and 1- 1.5" washer Under the acceptance criteria this would constitute a QC failure. <div style="text-align: center; margin: 10px 0;">  <p>Segment 149</p> </div>		
Personnel present: Grady Bendel UXO SITE QC, Len Lister UXO III		
Conducted By:	Signature:	Date:
Grady Bendel		12/10/03
5- Site UXO QC Specialist Review		
Upon review of Root Cause Analysis, determined that team had performed procedural errors. Contacted Team Leader and notified him of findings and the need for improvement in work quality. Recommended to SUXOS to have segment 149 rechecked. Will QC check after team reworks.		
<input type="checkbox"/> Acceptable	Deficiency Report #: N/A	
<input checked="" type="checkbox"/> Unacceptable	Non-Conformance Report #: TO-20 NCR-02	
Name:	Signature:	Date:
Grady Bendel		12/10/03

QC SURVEILLANCE REPORT
DACA87-99-D-0010
Former Ft. McClellan

1 - Activity		
<input type="checkbox"/> Project Management	<input type="checkbox"/> Geophysical Data Collection	<input type="checkbox"/> Data Management
<input checked="" type="checkbox"/> Intrusive Investigation	<input type="checkbox"/> Geophysical Data Processing	<input type="checkbox"/> Demolition
<input type="checkbox"/> Surface Clearance	<input type="checkbox"/> Anomaly Reacquisition	<input type="checkbox"/> UXO Avoidance
<input type="checkbox"/> Survey	<input type="checkbox"/> Scrap Processing	<input checked="" type="checkbox"/> Other: QC Acceptance Sampling
2 - Phase		
<input type="checkbox"/> Preparatory	<input type="checkbox"/> Initial	<input type="checkbox"/> Follow up
3 - References		
SSWP TO-0020 (U.S. Fish and Wildlife Land Transfer)		
4 - Observed Condition/Activities:		
U.S. Fish and Wildlife Land Transfer		
12/11/03 rechecked segment 149, No further items were found after additional QC sampling was done.		
<ul style="list-style-type: none"> • The Intrusive team Reworked segment 149. • Under the acceptance criteria this would constitute a QC pass. 		
Personnel present: Grady Bendel UXO SITE QC		
Conducted By: Grady Bendel	Signature: 	Date: 12/11/03
5- Site UXO QC Specialist Review		
QC checked after team reworked. Found no further action required.		
<input checked="" type="checkbox"/> Acceptable	Deficiency Report #: N/A	
<input type="checkbox"/> Unacceptable	Non-Conformance Report #: N/A	
Name: Grady Bendel	Signature: 	Date: 12/11/03

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NONCONFORMANCE REPORT

		Report No. TO-20 NCR-03
Client: COE Huntsville		Project Number: DACA87-99-D-0010
Project: Former Ft. McClellan TO-20		Specific Process: Intrusive Excavation
Description of Process: Intrusively investigate geophysical anomalies selected by the Geophysicist.		
I. Description of Nonconformance <i>(Items involved, specification, code or standard to which items do not comply, submit sketch if applicable)</i>		
<p>During QC Acceptance Sampling of segment 111 (geophysical), The QC Team recovered ferrous metal items that meet the following failure criteria (measurement along the principle axis is 3 times the diameter, which is between 37mm projectile and a 155mm projectile at a depth of less than 11 diameters of the object). The recovered item was a piece of a 5 gallon paint can and a metal electrical cable.</p> <p>As a result, segment 111 is being withheld.</p>		
Name and Signature of Person Reporting Nonconformance	Title/Company	Date
Grady Bendel 	UXO Site QC	02-03-04
II. Root Cause Analysis		
Immediate Causes: What actions and conditions contributed to this event? Check all that apply:		
Substandard Acts		
<input type="checkbox"/> Operating equipment without authority	<input type="checkbox"/> Inadequate inspection/peer review	
<input checked="" type="checkbox"/> Failure to follow/improper execution of procedure	<input type="checkbox"/> Poor judgment	
<input type="checkbox"/> Using equipment improperly	<input type="checkbox"/> Failure to communicate—written and/or verbal	
<input type="checkbox"/> Improper servicing/maintenance of equipment	<input type="checkbox"/> Acceptance of defective equipment/material	
<input type="checkbox"/> Under influence of alcohol/drugs	<input type="checkbox"/> Other substandard acts	
<input type="checkbox"/> Horseplay		
Substandard Conditions		
<input type="checkbox"/> Personnel not properly qualified or trained	<input checked="" type="checkbox"/> Inadequate oversight	
<input type="checkbox"/> Defective equipment/material	<input type="checkbox"/> Inadequate procedure/instruction	
Enter brief explanation of each immediate cause below:		
The geophysicist failed to select the anomalies for investigation. The anomalies were located on edge of road and were not selected as digs.		
Basic Causes: What specific personal or job management system factors contributed to this event? Check all that apply:		
Personal Factors	Job Factors	
<input type="checkbox"/> Inadequate physical/physiological capability	<input type="checkbox"/> Inadequate leadership and/or supervision	
<input type="checkbox"/> Inadequate mental/psychological capability	<input type="checkbox"/> Inadequate engineering	
<input type="checkbox"/> Physical or physiological stress	<input type="checkbox"/> Inadequate purchasing	
<input type="checkbox"/> Lack of knowledge	<input type="checkbox"/> Inadequate maintenance	
<input type="checkbox"/> Lack of skill	<input type="checkbox"/> Inadequate tools and equipment	
<input type="checkbox"/> Improper motivation	<input checked="" type="checkbox"/> Inadequate work standards	
<input checked="" type="checkbox"/> Other personal factors	<input type="checkbox"/> Excessive wear and tear	
	<input type="checkbox"/> Abuse and misuse	
	<input type="checkbox"/> Change	
	<input type="checkbox"/> Other job factors	
Enter brief explanation of each basic cause below:		
<p>The anomalies were on the outer edge of the segment and were cropped out of the segment.</p> <p>When anomalies exhibit a response at the edge of the area to be mapped, select the target as a dig if it exhibits a response that meets the selection criteria.</p>		

NONCONFORMANCE REPORT

Name and Signature of Person Conducting RCA <i>Grady Bendel</i> Grady Bendel		Title/Company UXO Site QC	Date 02-03-04
III. Recommended Disposition <i>(Submit sketch, if applicable)</i> Rework segment			
Name and Signature of Person Recommending Disposition <i>Grady Bendel</i> Grady Bendel		Title/Company UXO Site QC	Date 02-03-04
IV. Evaluation of Disposition by Tetra Tech FW, Reason for Disposition N/A			
V. Corrective Action <input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required			
Directed geophysicist to review files again and check for other anomalies. Any new anomalies will be reacquired and reworked by the intrusive team. When anomalies exhibit a response at the edge of the area to be mapped, select the target as a dig if it exhibits a response that meets the selection criteria.			
VI. <input checked="" type="checkbox"/> QA/QC	<input checked="" type="checkbox"/> SUXOS	<input checked="" type="checkbox"/> Project Manager	<input type="checkbox"/> Other
Name <i>(Signature)</i> <i>Grady Bendel</i>	Name <i>(Signature)</i> <i>JMB</i>	Name <i>(Signature)</i> <i>Bob Bygg</i>	Name <i>(Signature)</i>
Date 02-03-04	Date 02-03-04	Date 02-03-04	Date
<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments
VII. Verification of Disposition <input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required			
By Grady Bendel	Signature <i>Grady Bendel</i>	Title UXO Site QC	Date 02-03-04

Daily Quality Control Report Form

Tetra Tech FW, Inc.

Date 2/3/2004	Day Tuesday	Report Number 020304QC780	Project Name Fort McClellan, Alabama	Contract Number DACA87-99-D-0010
Weather/Precipitation Clear and Sunny		High 41	Low 28	Wind 10-15 mph
Humidity 51%				
TtFWI Personnel On Site (Reference/Attach Superintendent's Daily Report if Applicable) See Daily Report				
Equipment On Site See Daily Report			Active this Shift Yes/No Yes	
Subcontractors On Site NAE			Subcontractor's QC Report Attached Yes/No Yes	
Material/Equipment Received (Reference/Attach Inspection Reports) None				
Work Performed Geophysical mapping, reacquire, intrusive investigation, demolition, QA/QC activities				
Quality Control Activities (Reference/Attach Inspection Report).				
<i>Task Order 20 FWS Land Transfer Area</i> Conducted QC checks on geophysical process. See attached report. Withheld segment 111. See attached report. <i>Other</i> No Activity				
Problems Encountered/Corrective Actions Taken Upon review of Root Cause Analysis, determined that the geophysicist had not selected the items for investigation. Segment 111 is being withheld.				
Directions Given/Received Recommend that Geophysicist review VTA files again and check for other anomalies, have any new anomalies reacquired and have intrusive team rework segment				
Special Notes/Other None				
Visitors None				

Grady Bendel

Name



Signature

Site UXO QC Specialist

Title

QC SURVEILLANCE REPORT
DACA87-99-D-0010
Former Ft. McClellan

1 - Activity		
<input type="checkbox"/> Project Management	<input type="checkbox"/> Geophysical Data Collection	<input type="checkbox"/> Data Management
<input checked="" type="checkbox"/> Intrusive Investigation	<input type="checkbox"/> Geophysical Data Processing	<input type="checkbox"/> Demolition
<input type="checkbox"/> Surface Clearance	<input type="checkbox"/> Anomaly Reacquisition	<input type="checkbox"/> UXO Avoidance
<input type="checkbox"/> Survey	<input type="checkbox"/> Scrap Processing	<input checked="" type="checkbox"/> Other: QC Acceptance Sampling
2 - Phase		
<input type="checkbox"/> Preparatory	<input type="checkbox"/> Initial	<input checked="" type="checkbox"/> Follow up
3 - References		
SSWP TO-0020 (U.S. Fish and Wildlife Land Transfer)		
4 - Observed Condition/Activities:		
U.S. Fish and Wildlife Land Transfer		
<p>During QC checks on 02/03/04 of segment 111, a piece of 5 gallon paint can and metal electrical cable was found and was not selected on the original intrusive sheet. Geo did not select the items for investigation. Segment is being withheld pending results of Root Cause Analysis</p> <ul style="list-style-type: none"> ➤ The supporting Geophysicist did not select these to be dug for investigation. ➤ Under the acceptance criteria this would constitute a QC failure. 		
		
Segment 111, paint can	Segment 111, electrical cable	
Personnel present: Grady Bendel UXO SITE QC		
Conducted By: Grady Bendel	Signature: 	Date: 02/03/04
5- Site UXO QC Specialist Review		
Recommend that Geophysicist review VTA files again and check for other anomalies, have any new anomalies within the segment reacquired and have intrusive team rework segment.		
<input type="checkbox"/> Acceptable	Deficiency Report #: N/A	
<input checked="" type="checkbox"/> Unacceptable	Non-Conformance Report #: TO-20 NCR-03	
Name: Grady Bendel	Signature: 	Date: 02/03/04

Daily Quality Control Report Form

Tetra Tech FW, Inc.

Date 2/4/2004	Day Wednesday	Report Number 020404QC781	Project Name Fort McClellan, Alabama	Contract Number DACA87-99-D-0010
Weather/Precipitation Clear and Sunny		High 44	Low 34	Wind 10-15 mph
Humidity 51%				
TtFWI Personnel On Site (Reference/Attach Superintendent's Daily Report if Applicable) See Daily Report				
Equipment On Site See Daily Report			Active this Shift Yes/No Yes	
Subcontractors On Site NAE			Subcontractor's QC Report Attached Yes/No Yes	
Material/Equipment Received (Reference/Attach Inspection Reports) None				
Work Performed Geophysical mapping, reacquire, intrusive investigation, demolition, QA/QC activities				
Quality Control Activities (Reference/Attach Inspection Report).				
<i>Task Order 20 FWS Land Transfer Area</i> Conducted a follow-up inspection on intrusive team #1. See attached report. Conducted a follow-up inspection on demo team. See attached report. Conducted QC checks on geophysical process. See attached report. Rechecked segment 111. <i>Other</i> No Activity				
Problems Encountered/Corrective Actions Taken None				
Directions Given/Received None				
Special Notes/Other None				
Visitors None				

Grady Bendel

Name



Signature

Site UXO QC Specialist

Title

QC SURVEILLANCE REPORT
DACA87-99-D-0010
Former Ft. McClellan

1 - Activity		
<input type="checkbox"/> Project Management	<input type="checkbox"/> Geophysical Data Collection	<input type="checkbox"/> Data Management
<input checked="" type="checkbox"/> Intrusive Investigation	<input type="checkbox"/> Geophysical Data Processing	<input type="checkbox"/> Demolition
<input type="checkbox"/> Surface Clearance	<input type="checkbox"/> Anomaly Reacquisition	<input type="checkbox"/> UXO Avoidance
<input type="checkbox"/> Survey	<input type="checkbox"/> Scrap Processing	<input checked="" type="checkbox"/> Other: QC Acceptance Sampling
2 - Phase		
<input type="checkbox"/> Preparatory	<input type="checkbox"/> Initial	<input type="checkbox"/> Follow up
3 - References		
SSWP TO-0020 (U.S. Fish and Wildlife Land Transfer)		
4 - Observed Condition/Activities:		
U.S. Fish and Wildlife Land Transfer		
Rechecked segment 111, no further issues were noted:		
<ul style="list-style-type: none"> • The reacquire and intrusive team reworked segment 111. • Under the acceptance criteria this would constitute a QC pass. 		
Personnel present: Grady Bendel UXO SITE QC		
Conducted By: Grady Bendel	Signature: 	Date: 02/04/04
5- Site UXO QC Specialist Review		
QC checked after team reworked. Found no further action required.		
<input checked="" type="checkbox"/> Acceptable	Deficiency Report #: N/A	
<input type="checkbox"/> Unacceptable	Non-Conformance Report #: N/A	
Name: Grady Bendel	Signature: 	Date: 02/04/04

NONCONFORMANCE REPORT

		Report No. TO-20 NCR-04
Client: COE Huntsville		Project Number: DACA87-99-D-0010
Project: Former Ft. McClellan TO-20		Specific Process: Intrusive Excavation
Description of Process: Intrusively investigate geophysical anomalies selected by the Geophysicist.		
I. Description of Nonconformance <i>(Items involved, specification, code or standard to which items do not comply, submit sketch if applicable)</i>		
During QC Check on segment 179 (geophysical), the QC Team recovered ferrous metal items that meet the following failure criteria (measurement along the principle axis is 3 times the diameter, which is between 37mm projectile and a 155mm projectile at a depth of less than 11 diameters of the object). The recovered items were projectile fuzes, M1907 (2 ea) and frag. As a result, segment 179 is being withheld.		
Name and Signature of Person Reporting Nonconformance	Title/Company	Date
Grady Bendel 	UXO Site QC	03-08-04
II. Root Cause Analysis		
Immediate Causes: What actions and conditions contributed to this event? Check all that apply:		
Substandard Acts		
<input type="checkbox"/> Operating equipment without authority	<input type="checkbox"/> Inadequate inspection/peer review	
<input checked="" type="checkbox"/> Failure to follow/improper execution of procedure	<input type="checkbox"/> Poor judgment	
<input type="checkbox"/> Using equipment improperly	<input type="checkbox"/> Failure to communicate—written and/or verbal	
<input type="checkbox"/> Improper servicing/maintenance of equipment	<input type="checkbox"/> Acceptance of defective equipment/material	
<input type="checkbox"/> Under influence of alcohol/drugs	<input type="checkbox"/> Other substandard acts	
<input type="checkbox"/> Horseplay		
Substandard Conditions		
<input type="checkbox"/> Personnel not properly qualified or trained	<input checked="" type="checkbox"/> Inadequate oversight	
<input type="checkbox"/> Defective equipment/material	<input type="checkbox"/> Inadequate procedure/instruction	
Enter brief explanation of each immediate cause below:		
The geophysicist failed to select the anomalies for investigation. The anomalies were located on edge of road and were not selected as digs.		
Basic Causes: What specific personal or job management system factors contributed to this event? Check all that apply:		
Personal Factors	Job Factors	
<input type="checkbox"/> Inadequate physical/physiological capability	<input type="checkbox"/> Inadequate leadership and/or supervision	
<input type="checkbox"/> Inadequate mental/psychological capability	<input type="checkbox"/> Inadequate engineering	
<input type="checkbox"/> Physical or physiological stress	<input type="checkbox"/> Inadequate purchasing	
<input type="checkbox"/> Lack of knowledge	<input type="checkbox"/> Inadequate maintenance	
<input type="checkbox"/> Lack of skill	<input type="checkbox"/> Inadequate tools and equipment	
<input type="checkbox"/> Improper motivation	<input type="checkbox"/> Inadequate work standards	
<input type="checkbox"/> Other personal factors	<input type="checkbox"/> Excessive wear and tear	
	<input type="checkbox"/> Abuse and misuse	
	<input type="checkbox"/> Change	
	<input checked="" type="checkbox"/> Other job factors	
Enter brief explanation of each basic cause below:		
The anomalies were on the outer edge of the segment and were cropped out of the segment. When anomalies exhibit a response at the edge of the area to be mapped, select the target as a dig if it exhibits a response that meets the selection criteria.		

NONCONFORMANCE REPORT

Name and Signature of Person Conducting RCA <i>Grady Bendel</i> Grady Bendel		Title/Company UXO Site QC	Date 03-08-04
III. Recommended Disposition <i>(Submit sketch, if applicable)</i> Rework segment			
Name and Signature of Person Recommending Disposition <i>Grady Bendel</i> Grady Bendel		Title/Company UXO Site QC	Date 03-08-04
IV. Evaluation of Disposition by Tetra Tech FW, Reason for Disposition N/A			
V. Corrective Action <input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required			
Directed geophysicist to review files again and check for other anomalies. Any new anomalies will be reacquired and reworked by the intrusive team. When anomalies exhibit a response at the edge of the area to be mapped, select the target as a dig if it exhibits a response that meets the selection criteria.			
VI. <input checked="" type="checkbox"/> QA/QC	<input checked="" type="checkbox"/> SUXOS	<input checked="" type="checkbox"/> Project Manager	<input type="checkbox"/> Other
Name <i>(Signature)</i> <i>Grady Bendel</i>	Name <i>(Signature)</i> <i>JMB</i>	Name <i>(Signature)</i> <i>Bob Bygg</i>	Name <i>(Signature)</i>
Date 03-08-04	Date 03-08-04	Date 03-08-04	Date
<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments
VII. Verification of Disposition <input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required			
By Grady Bendel	Signature <i>Grady Bendel</i>	Title UXO Site QC	Date 03-08-04

Daily Quality Control Report Form

Tetra Tech FW, Inc.

Date 3/8/2004	Day Monday	Report Number 030804QC798	Project Name Fort McClellan, Alabama	Contract Number DACA87-99-D-0010
Weather/Precipitation Clear and Sunny		High 59	Low 39	Wind 10-30 mph
Humidity 78%				
TtFWI Personnel On Site (Reference/Attach Superintendent's Daily Report if Applicable) See Daily Report				
Equipment On Site See Daily Report			Active this Shift Yes/No Yes	
Subcontractors On Site NAE			Subcontractor's QC Report Attached Yes/No Yes	
Material/Equipment Received (Reference/Attach Inspection Reports) None				
Work Performed Geophysical mapping, reacquire, intrusive investigation, demolition, QA/QC activities				
Quality Control Activities (Reference/Attach Inspection Report).				
<p><i>Task Order 20 FWS Land Transfer Area</i></p> <p>Conducted a follow-up inspection on backhoe team. See attached report. Conducted a follow-up inspection on intrusive team #2. See attached report. Conducted QC checks on geophysical process. See attached report. Withheld segment 179. See attached report.</p> <p><i>Other</i></p> <p>No Activity</p>				
Problems Encountered/Corrective Actions Taken Upon review of Root Cause Analysis, determined that the geophysicist had not selected the items for investigation. Segment 179 is being withheld.				
Directions Given/Received Recommend that geophysicist review files again and check for other anomalies, have any new anomalies reacquired and have intrusive team rework segment.				
Special Notes/Other None				
Visitors None				

Grady Bendel

Name



Signature

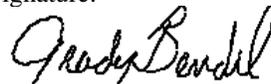
Site UXO QC Specialist

Title

QC Surveillance Report

DACA87-99-D-0010

Former Ft. McClellan, AL

1-Activity		
QC Team		
2-Phase		
QC Surveillance		
3-References		
TO 20 US Fish and Wild Life		
4-Observed Condition/Activities		
U.S. Fish and Wildlife Land Transfer		
<p>During QC check on segment 179, found M1907 projectile fuze (2 ea) and frag. Items met the failure criteria of a ferrous object where the measurement along the principle axis was 3 times the diameter, which is between 37mm projectile and a 155mm projectile at a depth of less than 11 diameters of the object. Segment 179 will be withheld. Under the acceptance criteria this constitutes a QC withhold.</p> <p>Personnel involved: Grady Bendel UXOQC</p>		
Conducted By: Grady Bendel	Signature: 	Date: 3/8/2004
5-Site UXO QC Specialist Review		
Comments: Performed Root Cause Analysis to determine that geophysicist had not selected the anomalies for investigation and needs to re-evaluate segment 179. Contacted team leader and notified him of findings and the need to adhere to procedures. Recommended to SUXOS to have segment 179 reworked. Will QC check after team reworks.		
<input type="checkbox"/> Acceptable <input checked="" type="checkbox"/> Unacceptable	Deficiency Report #: N/A Non-Conformance Report #: TO-20 NCR-04	
Name: Grady Bendel	Signature: 	Date: 3/8/2004

Daily Quality Control Report Form

Tetra Tech FW, Inc.

Date 3/9/2004	Day Tuesday	Report Number 030904QC799	Project Name Fort McClellan, Alabama	Contract Number DACA87-99-D-0010
Weather/Precipitation Clear and Sunny		High 61	Low 35	Wind 10-30 mph
Humidity 78%				
TtFWI Personnel On Site (Reference/Attach Superintendent's Daily Report if Applicable) See Daily Report				
Equipment On Site See Daily Report			Active this Shift Yes/No Yes	
Subcontractors On Site NAE			Subcontractor's QC Report Attached Yes/No Yes	
Material/Equipment Received (Reference/Attach Inspection Reports) None				
Work Performed Geophysical mapping, reacquire, intrusive investigation, demolition, QA/QC activities				
Quality Control Activities (Reference/Attach Inspection Report).				
<i>Task Order 20 FWS Land Transfer Area</i> Conducted a follow-up inspection on backhoe team. See attached report. Conducted a follow-up inspection on intrusive team #2. See attached report. Conducted QC checks on geophysical process. See attached report. Rechecked segment 179. <i>Other</i> No Activity				
Problems Encountered/Corrective Actions Taken None				
Directions Given/Received None				
Special Notes/Other None				
Visitors None				

Grady Bendel

Name



Signature

Site UXO QC Specialist

Title

QC Surveillance Report

DACA87-99-D-0010

Former Ft. McClellan, AL

1-Activity		
QC Team		
2-Phase		
QC Surveillance		
3-References		
TO 20 US Fish and Wild Life		
4-Observed Condition/Activities		
U.S. Fish and Wildlife Land Transfer		
Rechecked segment 179, no further issues were noted:		
The reacquire and intrusive team reworked segment 179. Under the acceptance criteria this would constitute a QC pass.		
Personnel involved: Grady Bendel UXOQC		
Conducted By: Grady Bendel	Signature: 	Date: 3/9/2004
5-Site UXO QC Specialist Review		
Comments: QC checked after team reworked. Found no further action required.		
<input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable	Deficiency Report #: N/A Non-Conformance Report #: N/A	
Name: Grady Bendel	Signature: 	Date: 3/9/2004

NONCONFORMANCE REPORT

		Report No. TO-20 NCR-05
Client: COE Huntsville		Project Number: DACA87-99-D-0010
Project: Former Ft. McClellan TO-20		Specific Process: Intrusive Excavation
Description of Process: Intrusively investigate geophysical anomalies selected by the Geophysicist.		
I. Description of Nonconformance <i>(Items involved, specification, code or standard to which items do not comply, submit sketch if applicable)</i>		
<p>During QC Check on segment 166 (geophysical), the QC Team recovered ferrous metal items that meet the following failure criteria (measurement along the principle axis is 3 times the diameter, which is between 37mm projectile and a 155mm projectile at a depth of less than 11 diameters of the object). The recovered items consisted of a 75mm Projectile's pusher plate below fiducial 324 on flag 166-048 37' 6" and centerline; and one metal caster wheel located in the road 92' 4" below fiducial 324 and centerline.</p> <p>As a result, segment 166 is being withheld.</p>		
Name and Signature of Person Reporting Nonconformance	Title/Company	Date
Grady Bendel 	UXO Site QC	03-30-04
II. Root Cause Analysis		
Immediate Causes: What actions and conditions contributed to this event? Check all that apply:		
Substandard Acts		
<input type="checkbox"/> Operating equipment without authority	<input type="checkbox"/> Inadequate inspection/peer review	
<input checked="" type="checkbox"/> Failure to follow/improper execution of procedure	<input type="checkbox"/> Poor judgment	
<input type="checkbox"/> Using equipment improperly	<input type="checkbox"/> Failure to communicate—written and/or verbal	
<input type="checkbox"/> Improper servicing/maintenance of equipment	<input type="checkbox"/> Acceptance of defective equipment/material	
<input type="checkbox"/> Under influence of alcohol/drugs	<input type="checkbox"/> Other substandard acts	
<input type="checkbox"/> Horseplay		
Substandard Conditions		
<input type="checkbox"/> Personnel not properly qualified or trained	<input checked="" type="checkbox"/> Inadequate oversight	
<input type="checkbox"/> Defective equipment/material	<input type="checkbox"/> Inadequate procedure/instruction	
Enter brief explanation of each immediate cause below:		
<p>The geophysicist failed to select the anomaly for investigation due to the depth of the item 10" the geophysical response was below the selection criteria.</p> <p>The team leader did not adequately ensure the anomaly location was clear this resulted in the metal caster being left in the hole.</p>		
Basic Causes: What specific personal or job management system factors contributed to this event? Check all that apply:		
Personal Factors	Job Factors	
<input type="checkbox"/> Inadequate physical/physiological capability	<input checked="" type="checkbox"/> Inadequate leadership and/or supervision	
<input type="checkbox"/> Inadequate mental/psychological capability	<input type="checkbox"/> Inadequate engineering	
<input type="checkbox"/> Physical or physiological stress	<input type="checkbox"/> Inadequate purchasing	
<input type="checkbox"/> Lack of knowledge	<input type="checkbox"/> Inadequate maintenance	
<input type="checkbox"/> Lack of skill	<input type="checkbox"/> Inadequate tools and equipment	
<input type="checkbox"/> Improper motivation	<input type="checkbox"/> Inadequate work standards	
<input checked="" type="checkbox"/> Other personal factors	<input type="checkbox"/> Excessive wear and tear	
	<input type="checkbox"/> Abuse and misuse	
	<input type="checkbox"/> Change	
	<input checked="" type="checkbox"/> Other job factors	
Enter brief explanation of each basic cause below:		

NONCONFORMANCE REPORT

The 75MM pusher plate was below the detectible depth which resulted in a lower mV response that did not meet the selection criteria.
Lack of oversight (not conducting adequate hole checks) by the team leader resulted in the metal caster being left in the hole.

Name and Signature of Person Conducting RCA <div style="text-align: center;"></div> Grady Bendel	Title/Company UXO Site QC	Date 03-30-04
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III. Recommended Disposition *(Submit sketch, if applicable)*

Rework segment 166

Name and Signature of Person Recommending Disposition <div style="text-align: center;"></div> Grady Bendel	Title/Company UXO Site QC	Date 03-30-04
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IV. Evaluation of Disposition by Tetra Tech FW, Reason for Disposition

N/A

V. Corrective Action Required Not Required

Directed geophysicist to review geophysical data and verify all anomalies that meet the selection criteria have been selected. Any new anomalies will be reacquired and reworked by the intrusive team.

VI. <input checked="" type="checkbox"/> QA/QC	<input checked="" type="checkbox"/> SUXOS	<input checked="" type="checkbox"/> Project Manager	<input type="checkbox"/> Other
Name <i>(Signature)</i> <div style="text-align: center;"></div>	Name <i>(Signature)</i> <div style="text-align: center;"></div>	Name <i>(Signature)</i> <div style="text-align: center;"></div>	Name <i>(Signature)</i>
Date 03-30-04	Date 03-30-04	Date 03-30-04	Date
<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments

VII. Verification of Disposition Required Not Required

By Grady Bendel	Signature <div style="text-align: center;"></div>	Title UXO Site QC	Date 03-30-04
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Daily Quality Control Report Form

Tetra Tech FW, Inc.

Date	Day	Report Number	Project Name	Contract Number
3/30/2004	Tuesday	033004QC811	Fort McClellan, Alabama	DACA87-99-D-0010
Weather/Precipitation		High	Low	Wind
Partly Cloudy		73	67	SE@9
Humidity				
85%				
TtFWI Personnel On Site (Reference/Attach Superintendent's Daily Report if Applicable)				
See Daily Report				
Equipment On Site			Active this Shift Yes/No	
See Daily Report			Yes	
Subcontractors On Site			Subcontractor's QC Report Attached Yes/No	
USA Enviromental, Native American Enviromental			N/A	
Material/Equipment Received (Reference/Attach Inspection Reports)				
None				
Work Performed				
Performed Administrative Work, Checked Segment Stake placement				
Quality Control Activities (Reference/Attach Inspection Report).				
<i>Task Order 20 FWS Land Transfer Area</i>				
QC segments 165 and 174. See Surveillance database for this date. Conducted QC checks on geophysical process. See attached report. Withheld segment 166. See attached report.				
<i>Other</i>				
No Activity				
Problems Encountered/Corrective Actions Taken				
Upon review of Root Cause Analysis, determined that the geophysicist had not selected the items for investigation. Segment 166 is being withheld.				
Directions Given/Received				
Recommend that geophysicist review files again and check for other anomalies, have any new anomalies reacquired and have intrusive team rework segment.				
Special Notes/Other				
None				
Visitors				
None				

Grady Bendel

Name



Signature

Site UXO QC Specialist

Title

QC Surveillance Report

DACA87-99-D-0010

Former Ft. McClellan, AL

1-Activity		
QC Team		
2-Phase		
Follow Up		
3-References		
TO 20 US Fish and Wild Life		
4-Observed Condition/Activities		
U.S. Fish and Wildlife Land Transfer		
<p>During QC check on 3/30/04 of segment 166, items meeting the failure criteria of ferrous object where the measurement along the principle axis was 3 times the diameter, which is between 37mm projectile and a 155mm projectile at a depth of less than 11 diameters of the object was found during QC checks. Segment is being withheld.</p> <p>Geophysics did not pick anomalies in the road 92' 4" below fiducial 324 and centerline, which turned out to be 1 metal caster wheel that did meet failure criteria.</p> <p>The Intrusive team left 75mm pusher plate below fiducial 324 on flag 166-048 37' 6" and centerline. Under the acceptance criteria this would constitute a QC failure.</p> <p>Personnel involved: Grady Bendel UXOQC, Danny Paul USA Tech II</p>		
Conducted By: Grady Bendel	Signature: 	Date: 3/30/2004
5-Site UXO QC Specialist Review		
Comments: Performed Root Cause Analysis to determine that Geophysicist did not pick anomalies and needs to re-evaluate segment 166. Determined that team had performed procedural errors. Contacted Team Leader and notified him of findings and the need to adhere to procedures. Recommended to SUXOS to have segment 166 reworked to include from centerline of road to 15' out each side. Will QC check after team reworks.		
<input type="checkbox"/> Acceptable <input checked="" type="checkbox"/> Unacceptable	Deficiency Report #: N/A Non-Conformance Report #: TO-20 NCR-05	
Name: Grady Bendel	Signature: 	Date: 3/30/2004

Daily Quality Control Report Form

Tetra Tech FW, Inc.

Date	Day	Report Number	Project Name	Contract Number
3/31/2004	Wednesday	033104QC812	Fort McClellan, Alabama	DACA87-99-D-0010
Weather/Precipitation		High	Low	Wind
Sunny in morning and Possible "T" storm in afte		61	43	WNW@15
Humidity				
86%				
TtFWI Personnel On Site (Reference/Attach Superintendent's Daily Report if Applicable)				
See Daily Report				
Equipment On Site			Active this Shift Yes/No	
See Daily Report			Yes	
Subcontractors On Site			Subcontractor's QC Report Attached Yes/No	
USA Enviromental, Native American Enviromental			N/A	
Material/Equipment Received (Reference/Attach Inspection Reports)				
None				
Work Performed				
1030 Assumed Duties as Site Safety				
Quality Control Activities (Reference/Attach Inspection Report).				
<i>Task Order 20 FWS Land Transfer Area</i>				
QA failure in segment 101. See attached report. Checked Fiduical and Stake placements Rechecked segment 101 and 166.				
<i>Other</i>				
No Activity				
Problems Encountered/Corrective Actions Taken				
Segment 101 failed QA. Rework segment via mag and dig, reprocess through QC and resubmit to QA.				
Directions Given/Received				
Recommended to rework segment using mag and dig, reprocess through QC and resubmit for QA.				
Special Notes/Other				
1030 Assumed Duties as Site Safety				
Visitors				
None				

Grady Bendel

Name



Signature

Site UXO QC Specialist

Title

QC Surveillance Report

DACA87-99-D-0010

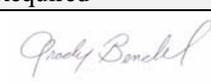
Former Ft. McClellan, AL

1-Activity		
QC Team		
2-Phase		
Follow Up		
3-References		
TO 20 US Fish and Wild Life		
4-Observed Condition/Activities		
U.S. Fish and Wildlife Land Transfer		
Rechecked segment 166, no further issues were noted.		
Personnel involved: Grady Bendel		
Conducted By: Grady Bendel	Signature: 	Date: 3/31/2004
5-Site UXO QC Specialist Review		
Comments: QC checked after team reworked. Found no further action required.		
<input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable	Deficiency Report #: N/A Non-Conformance Report #: N/A	
Name: Grady Bendel	Signature: 	Date: 3/31/2004

NONCONFORMANCE REPORT

		Report No. TO-20 NCR-06
Client: COE Huntsville		Project Number: DACA87-99-D-0010
Project: Former Ft. McClellan TO-20		Specific Process: Intrusive Excavation
Description of Process: Quality Assurance (QA) inspection.		
I. Description of Nonconformance <i>(Items involved, specification, code or standard to which items do not comply, submit sketch if applicable)</i>		
During QA Check on segment 101, the USACE/QA recovered ferrous metal items that meet the following failure criteria (measurement along the principle axis is 3 times the diameter, which is between 37mm projectile and a 155mm projectile at a depth of less than 11 diameters of the object). The recovered item was a 75mm projectile's empty casing. It was located 75' 6" below control point/stake 6030 and right of centerline 11' 5" at a depth of 9". As a result, segment 101 failed quality assurance.		
Name and Signature of Person Reporting Nonconformance	Title/Company	Date
Grady Bendel 	UXO Site QC	03-31-04
II. Root Cause Analysis		
Immediate Causes: What actions and conditions contributed to this event? Check all that apply:		
Substandard Acts		
<input type="checkbox"/> Operating equipment without authority	<input type="checkbox"/> Inadequate inspection/peer review	
<input checked="" type="checkbox"/> Failure to follow/improper execution of procedure	<input type="checkbox"/> Poor judgment	
<input type="checkbox"/> Using equipment improperly	<input type="checkbox"/> Failure to communicate—written and/or verbal	
<input type="checkbox"/> Improper servicing/maintenance of equipment	<input type="checkbox"/> Acceptance of defective equipment/material	
<input type="checkbox"/> Under influence of alcohol/drugs	<input type="checkbox"/> Other substandard acts	
<input type="checkbox"/> Horseplay		
Substandard Conditions		
<input type="checkbox"/> Personnel not properly qualified or trained	<input checked="" type="checkbox"/> Inadequate oversight	
<input type="checkbox"/> Defective equipment/material	<input type="checkbox"/> Inadequate procedure/instruction	
Enter brief explanation of each immediate cause below:		
The standard operating procedure requires the team leader to ensure the mag and dig sweeps are conducted at a speed that allows for total coverage of the mag and dig lanes. Sweeping to fast allows for gaps in the sensor sweep area.		
Basic Causes: What specific personal or job management system factors contributed to this event? Check all that apply:		
Personal Factors		Job Factors
<input type="checkbox"/> Inadequate physical/physiological capability	<input type="checkbox"/> Inadequate leadership and/or supervision	
<input type="checkbox"/> Inadequate mental/psychological capability	<input type="checkbox"/> Inadequate engineering	
<input type="checkbox"/> Physical or physiological stress	<input type="checkbox"/> Inadequate purchasing	
<input type="checkbox"/> Lack of knowledge	<input type="checkbox"/> Inadequate maintenance	
<input type="checkbox"/> Lack of skill	<input type="checkbox"/> Inadequate tools and equipment	
<input type="checkbox"/> Improper motivation	<input checked="" type="checkbox"/> Inadequate work standards	
<input type="checkbox"/> Other personal factors	<input type="checkbox"/> Excessive wear and tear	
	<input type="checkbox"/> Abuse and misuse	
	<input type="checkbox"/> Change	
	<input type="checkbox"/> Other job factors	
Enter brief explanation of each basic cause below:		
The Intrusive Team Leader failed to ensure team members follow proper sweep procedures. This resulted in ferrous metal items being missed that meet the failure criteria.		
Name and Signature of Person Conducting RCA	Title/Company	Date
Grady Bendel 	UXO Site QC	03-31-04

NONCONFORMANCE REPORT

III. Recommended Disposition <i>(Submit sketch, if applicable)</i>			
Rework segment 101			
Name and Signature of Person Recommending Disposition	Title/Company	Date	
Grady Bendel 	UXO Site QC	03-31-04	
IV. Evaluation of Disposition by Tetra Tech FW, Reason for Disposition			
N/A			
V. Corrective Action <input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required			
The intrusive team will rework segment 101 and ensure all ferrous metal items that would meet the failure criteria are cleared. Conduct training for the Intrusive teams on mag and dig procedures reiterating the proper sweep speed and sensor search area. Resubmit to QA			
VI. <input checked="" type="checkbox"/> QA/QC	<input checked="" type="checkbox"/> SUXOS	<input checked="" type="checkbox"/> Project Manager	<input type="checkbox"/> Other
Name <i>(Signature)</i>	Name <i>(Signature)</i>	Name <i>(Signature)</i>	Name <i>(Signature)</i>
			
Date 03-31-04	Date 03-31-04	Date 03-31-04	Date
<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments
VII. Verification of Disposition <input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required			
By	Signature	Title	Date
Grady Bendel		UXO Site QC	03-31-04

Daily Quality Control Report Form

Tetra Tech FW, Inc.

Date	Day	Report Number	Project Name	Contract Number
3/31/2004	Wednesday	033104QC812	Fort McClellan, Alabama	DACA87-99-D-0010
Weather/Precipitation		High	Low	Wind
Sunny in morning and Possible "T" storm in afte		61	43	WNW@15
Humidity				
86%				
TtFWI Personnel On Site (Reference/Attach Superintendent's Daily Report if Applicable)				
See Daily Report				
Equipment On Site			Active this Shift Yes/No	
See Daily Report			Yes	
Subcontractors On Site			Subcontractor's QC Report Attached Yes/No	
USA Enviromental, Native American Enviromental			N/A	
Material/Equipment Received (Reference/Attach Inspection Reports)				
None				
Work Performed				
1030 Assumed Duties as Site Safety				
Quality Control Activities (Reference/Attach Inspection Report).				
<i>Task Order 20 FWS Land Transfer Area</i>				
QA failure in segment 101. See attached report. Checked Fiduical and Stake placements Rechecked segment 101 and 166.				
<i>Other</i>				
No Activity				
Problems Encountered/Corrective Actions Taken				
Segment 101 failed QA. Rework segment via mag and dig, reprocess through QC and resubmit to QA.				
Directions Given/Received				
Recommended to rework segment using mag and dig, reprocess through QC and resubmit for QA.				
Special Notes/Other				
1030 Assumed Duties as Site Safety				
Visitors				
None				

Grady Bendel

Name



Signature

Site UXO QC Specialist

Title

QC Surveillance Report

DACA87-99-D-0010

Former Ft. McClellan, AL

1-Activity		
QA Inspection		
2-Phase		
Follow Up		
3-References		
TO 20 US Fish and Wild Life		
4-Observed Condition/Activities		
<p style="text-align: center;">U.S. Fish and Wildlife Land Transfer</p> <p>During QA check on 03/31/04 of segment 101, a 75mm empty casing was found. It was located 75' 6" below stake 6030 and right 11' 5" at a depth of 9". Grid failed QA sampling and observed the following:</p> <p>Intrusive team did not locate the 75mm during magnetometer and dig operations. Under the acceptance criteria this constitutes a QA failure.</p> <p>Personnel involved: Grady Bendel</p>		
Conducted By: Grady Bendel	Signature: 	Date: 3/31/2004
5-Site UXO QC Specialist Review		
Comments: Perform Root Cause Analysis and determine requirements needed to rectify failure. Determined that team had performed procedural errors. Contacted Team Leader and notified him of findings and the need to adhere to procedures. Recommend that segment be reworked using Mag and Dig on sides outside VTA area and then will QC and resubmit to Army COE for QA.		
<input type="checkbox"/> Acceptable <input checked="" type="checkbox"/> Unacceptable	Deficiency Report #: N/A Non-Conformance Report #: TO-20 NCR-06	
Name: Grady Bendel	Signature: 	Date: 3/31/2004

QC Surveillance Report

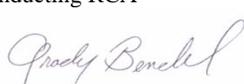
DACA87-99-D-0010

Former Ft. McClellan, AL

1-Activity		
QC Team		
2-Phase		
Follow Up		
3-References		
TO 20 US Fish and Wild Life		
4-Observed Condition/Activities		
U.S. Fish and Wildlife Land Transfer		
Rechecked segment 101, no further issues were noted. Submitted for QA.		
Personnel involved: Grady Bendel		
Conducted By: QC Team	Signature: 	Date: 3/31/2004
5-Site UXO QC Specialist Review		
Comments: QC checked after team reworked. Found no further action required.		
<input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable	Deficiency Report #: N/A Non-Conformance Report #: N/A	
Name: Grady Bendel	Signature: 	Date: 3/31/2004

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NONCONFORMANCE REPORT

		Report No. TO-20 NCR-07
Client: COE Huntsville		Project Number: DACA87-99-D-0010
Project: Former Ft. McClellan TO-20		Specific Process: Intrusive Excavation
Description of Process: Intrusively investigate geophysical anomalies selected by the Geophysicist.		
I. Description of Nonconformance <i>(Items involved, specification, code or standard to which items do not comply, submit sketch if applicable)</i>		
During QC Check on segment 170 (geophysical), ferrous metal items that meet the following failure criteria (measurement along the principle axis is 3 times the diameter, which is between 37mm projectile and a 155mm projectile at a depth of less than 11 diameters of the object) were discovered. The recovered item was a ballistic nose from a 3.5" rocket. It was located 74' 8" above control point/stake 5905 and left of centerline 8' 8" at a depth of 6". As a result, segment 170 is being withheld.		
Name and Signature of Person Reporting Nonconformance	Title/Company	Date
Grady Bendel 	UXO Site QC	04-06-04
II. Root Cause Analysis		
Immediate Causes: What actions and conditions contributed to this event? Check all that apply:		
Substandard Acts		
<input type="checkbox"/> Operating equipment without authority	<input type="checkbox"/> Inadequate inspection/peer review	
<input checked="" type="checkbox"/> Failure to follow/improper execution of procedure	<input type="checkbox"/> Poor judgment	
<input type="checkbox"/> Using equipment improperly	<input type="checkbox"/> Failure to communicate—written and/or verbal	
<input type="checkbox"/> Improper servicing/maintenance of equipment	<input type="checkbox"/> Acceptance of defective equipment/material	
<input type="checkbox"/> Under influence of alcohol/drugs	<input type="checkbox"/> Other substandard acts	
<input type="checkbox"/> Horseplay		
Substandard Conditions		
<input type="checkbox"/> Personnel not properly qualified or trained	<input checked="" type="checkbox"/> Inadequate oversight	
<input type="checkbox"/> Defective equipment/material	<input type="checkbox"/> Inadequate procedure/instruction	
Enter brief explanation of each immediate cause below:		
Intrusive team did not conduct proper mag and dig procedures on the outer extent of the geophysical data. This resulted in the ballistic nose from a 3.5" rocket being missed.		
Basic Causes: What specific personal or job management system factors contributed to this event? Check all that apply:		
Personal Factors	Job Factors	
<input type="checkbox"/> Inadequate physical/physiological capability	<input checked="" type="checkbox"/> Inadequate leadership and/or supervision	
<input type="checkbox"/> Inadequate mental/psychological capability	<input type="checkbox"/> Inadequate engineering	
<input type="checkbox"/> Physical or physiological stress	<input type="checkbox"/> Inadequate purchasing	
<input type="checkbox"/> Lack of knowledge	<input type="checkbox"/> Inadequate maintenance	
<input type="checkbox"/> Lack of skill	<input type="checkbox"/> Inadequate tools and equipment	
<input type="checkbox"/> Improper motivation	<input checked="" type="checkbox"/> Inadequate work standards	
<input type="checkbox"/> Other personal factors	<input type="checkbox"/> Excessive wear and tear	
	<input type="checkbox"/> Abuse and misuse	
	<input type="checkbox"/> Change	
	<input type="checkbox"/> Other job factors	
Enter brief explanation of each basic cause below:		
The Intrusive Team Leader failed to ensure a mag and dig clearance was conducted on the outer area of the geophysical data coverage.		
Name and Signature of Person Conducting RCA	Title/Company	Date
Grady Bendel 	UXO Site QC	04-06-04

NONCONFORMANCE REPORT

III. Recommended Disposition <i>(Submit sketch, if applicable)</i>			
Recommend mag and dig area of the segment.			
Name and Signature of Person Recommending Disposition	Title/Company	Date	
Grady Bendel 	UXO Site QC	04-06-04	
IV. Evaluation of Disposition by Tetra Tech FW, Reason for Disposition			
N/A			
V. Corrective Action <input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required			
Rework segment using mag and dig on the outside extent of the geophysically mapped area. When total geophysical coverage of the area is not possible, ensure area not mapped is delineated for a mag and dig clearance.			
VI. <input checked="" type="checkbox"/> QA/QC <input checked="" type="checkbox"/> SUXOS <input checked="" type="checkbox"/> Project Manager <input type="checkbox"/> Other			
Name <i>(Signature)</i>	Name <i>(Signature)</i>	Name <i>(Signature)</i>	Name <i>(Signature)</i>
			
Date 04-06-04	Date 04-06-04	Date 04-06-04	Date
<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments
VII. Verification of Disposition <input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required			
By	Signature	Title	Date
Grady Bendel		UXO Site QC	04-06-04

Daily Quality Control Report Form

Tetra Tech FW, Inc.

Date 4/6/2004	Day Tuesday	Report Number 040604QC815	Project Name Fort McClellan, Alabama	Contract Number DACA87-99-D-0010
Weather/Precipitation Sunny		High 74	Low 37	Wind SSE@5
Humidity 67%				
TtFWI Personnel On Site (Reference/Attach Superintendent's Daily Report if Applicable) See Daily Report				
Equipment On Site See Daily Report			Active this Shift Yes/No Yes	
Subcontractors On Site USA Enviromental, Native American Enviromental			Subcontractor's QC Report Attached Yes/No N/A	
Material/Equipment Received (Reference/Attach Inspection Reports) None				
Work Performed None				
Quality Control Activities (Reference/Attach Inspection Report).				
<i>Task Order 20 FWS Land Transfer Area</i> QC segments 161, 167, 168, 170, 171, 172, 187. See Surveillance database for this date. Withheld segment 170. See attached report. <i>Other</i> No Activity				
Problems Encountered/Corrective Actions Taken Upon review of Root Cause Analysis, determined that the geophysicist had not selected the items for investigation. Segment 170 is being withheld.				
Directions Given/Received Recommend that geophysicist review files again and check for other anomalies, have any new anomalies reacquired and have intrusive team rework segment.				
Special Notes/Other None				
Visitors None				

Grady Bendel

Name



Signature

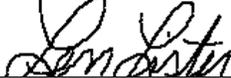
Site UXO QC Specialist

Title

QC Surveillance Report

DACA87-99-D-0010

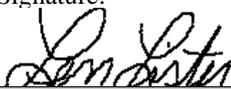
Former Ft. McClellan, AL

1-Activity		
QC Team		
2-Phase		
QC Surveillance		
3-References		
TO 20 US Fish and Wild Life		
4-Observed Condition/Activities		
<p style="text-align: center;">U.S. Fish and Wildlife Land Transfer</p> <p>During QC check on 04/06/04 of segment 170, found ballistic nose from 3.5" rocket. It was located 74' 8" above CP5905 and left 8' 8" at depth of 6". Segment 170 will be withheld. Intrusive team did not locate ballistic nose from 3.5 inch rocket. Under the acceptance criteria this constitutes a QC withhold.</p> <p>Personnel involved: Grady Bendel UXOQC, Danny Paul USA UXO II</p>		
Conducted By: Grady Bendel	Signature: 	Date: 4/6/2004
5-Site UXO QC Specialist Review		
Comments: Performed Root Cause Analysis to determine requirements to rectify QC withhold. Determined that team had performed procedural errors. Contacted Team Leader and notified him of findings and the need to adhere to procedures. Recommend that segment be reworked using mag and dig on outside VTA area. Will then recheck for QC and submit for Army COE QA.		
<input type="checkbox"/> Acceptable <input checked="" type="checkbox"/> Unacceptable	Deficiency Report #: N/A Non-Conformance Report #: TO-20 NCR-07	
Name: Grady Bendel	Signature: 	Date: 4/6/2004

QC Surveillance Report

DACA87-99-D-0010

Former Ft. McClellan, AL

1-Activity		
QC Team		
2-Phase		
QC Acceptance Sampling		
3-References		
TO 20 US Fish and Wild Life		
4-Observed Condition/Activities		
U.S. Fish and Wildlife Land Transfer		
Rechecked segment 170, no further issues were noted:		
The reacquire and intrusive team reworked segment 170. Under the acceptance criteria this would constitute a QC pass.		
Personnel involved: Grady Bendel UXOQC		
Conducted By: QC Team	Signature: 	Date: 4/7/2004
5-Site UXO QC Specialist Review		
Comments: QC checked after team reworked. Found no further action required.		
<input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable	Deficiency Report #: N/A Non-Conformance Report #: N/A	
Name: Grady Bendel	Signature: 	Date: 4/7/2004

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NONCONFORMANCE REPORT

		Report No. TO-20 NCR-08
Client: COE Huntsville		Project Number: DACA87-99-D-0010
Project: Former Ft. McClellan TO-20		Specific Process: Intrusive Excavation
Description of Process: Quality Assurance (QA) inspection.		
I. Description of Nonconformance <i>(Items involved, specification, code or standard to which items do not comply, submit sketch if applicable)</i>		
During QA checks in the Range 24A high use area, the USACE/QA recovered ferrous metal items that met the following failure criteria (measurement along the principle axis is 3 times the diameter, which is between 37mm projectile and a 155mm projectile at a depth of less than 11 diameters of the object). The recovered items were: Metal Scrap 65mm wide at N33.41.085 and W085.45.483 at a depth of 7" Metal Scrap 72mm wide at N33.41.101 and W085.45.484 at a depth of 4" Metal Stranded Cable 5/8" wide at N33.41.484 and W085.45.484 at a depth of 3" As a result, Range 24A failed quality assurance.		
Name and Signature of Person Reporting Nonconformance	Title/Company	Date
Grady Bendel 	UXO Site QC	04-19-04
II. Root Cause Analysis		
Immediate Causes: What actions and conditions contributed to this event? Check all that apply:		
Substandard Acts		
<input type="checkbox"/> Operating equipment without authority	<input type="checkbox"/> Inadequate inspection/peer review	
<input checked="" type="checkbox"/> Failure to follow/improper execution of procedure	<input type="checkbox"/> Poor judgment	
<input type="checkbox"/> Using equipment improperly	<input type="checkbox"/> Failure to communicate—written and/or verbal	
<input type="checkbox"/> Improper servicing/maintenance of equipment	<input type="checkbox"/> Acceptance of defective equipment/material	
<input type="checkbox"/> Under influence of alcohol/drugs	<input type="checkbox"/> Other substandard acts	
<input type="checkbox"/> Horseplay		
Substandard Conditions		
<input type="checkbox"/> Personnel not properly qualified or trained	<input type="checkbox"/> Inadequate oversight	
<input type="checkbox"/> Defective equipment/material	<input checked="" type="checkbox"/> Inadequate procedure/instruction	
Enter brief explanation of each immediate cause below:		
The geophysicist failed to select the anomalies for investigation due to weak GPS reception this factor directly contributed to the missed anomalies.		
Basic Causes: What specific personal or job management system factors contributed to this event? Check all that apply:		
Personal Factors	Job Factors	
<input type="checkbox"/> Inadequate physical/physiological capability	<input type="checkbox"/> Inadequate leadership and/or supervision	
<input type="checkbox"/> Inadequate mental/psychological capability	<input type="checkbox"/> Inadequate engineering	
<input type="checkbox"/> Physical or physiological stress	<input type="checkbox"/> Inadequate purchasing	
<input type="checkbox"/> Lack of knowledge	<input type="checkbox"/> Inadequate maintenance	
<input type="checkbox"/> Lack of skill	<input type="checkbox"/> Inadequate tools and equipment	
<input type="checkbox"/> Improper motivation	<input checked="" type="checkbox"/> Inadequate work standards	
<input type="checkbox"/> Other personal factors	<input type="checkbox"/> Excessive wear and tear	
<input type="checkbox"/> Abuse and misuse	<input type="checkbox"/> Change	
	<input checked="" type="checkbox"/> Other job factors	
Enter brief explanation of each basic cause below:		
The weak GPS signal should have been identified in the processing of the data. This would have identified the deficiency in the data quality.		

NONCONFORMANCE REPORT

Name and Signature of Person Conducting RCA <i>Grady Bendel</i> Grady Bendel		Title/Company UXO Site QC	Date 04-19-04
III. Recommended Disposition <i>(Submit sketch, if applicable)</i> Recommended that the segment 187 be reworked.			
Name and Signature of Person Recommending Disposition <i>Grady Bendel</i> Grady Bendel		Title/Company UXO Site QC	Date 04-19-04
IV. Evaluation of Disposition by Tetra Tech FW, Reason for Disposition N/A			
V. Corrective Action <input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required			
Area from segment 187 border and immediately east will be reworked using mag and dig procedures. Also if satellite coverage drops below that level that can be properly utilized for geophysical processing, the data collection will cease. The field team will document the satellite coverage for the data collection session. The segment will be re-inspected by QC and submitted for Army COE QA upon successfully passing QC.			
VI. <input checked="" type="checkbox"/> QA/QC	<input checked="" type="checkbox"/> SUXOS	<input checked="" type="checkbox"/> Project Manager	<input type="checkbox"/> Other
Name <i>(Signature)</i> <i>Grady Bendel</i>	Name <i>(Signature)</i> <i>JMB</i>	Name <i>(Signature)</i> <i>Bob Bygg</i>	Name <i>(Signature)</i>
Date 04-19-04	Date 04-19-04	Date 04-19-04	Date
<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments
VII. Verification of Disposition <input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required			
By Grady Bendel	Signature <i>Grady Bendel</i>	Title UXO Site QC	Date 04-19-04

Daily Quality Control Report Form

Tetra Tech FW, Inc.

Date 4/19/2004	Day Monday	Report Number 041904QC822	Project Name Fort McClellan, Alabama	Contract Number DACA87-99-D-0010
Weather/Precipitation Sunny		High 82	Low 52	Wind SW@9
Humidity 43%				
TtFWI Personnel On Site (Reference/Attach Superintendent's Daily Report if Applicable) See Daily Report				
Equipment On Site See Daily Report			Active this Shift Yes/No Yes	
Subcontractors On Site USA Enviromental, Native American Enviromental			Subcontractor's QC Report Attached Yes/No N/A	
Material/Equipment Received (Reference/Attach Inspection Reports) None				
Work Performed QC and QA in TO-20 area				
Quality Control Activities (Reference/Attach Inspection Report).				
<p><i>Task Order 20 FWS Land Transfer Area</i></p> <p>Had QA Failure on High Use Area/Range 24, See Surveillance database for this date. Had QA Failure on segment 164, See Surveillance database for this date. QC segments 159, 170. See Surveillance database for this date.</p> <p><i>Other</i></p> <p>No Activity</p>				
Problems Encountered/Corrective Actions Taken Segment 164 and High Use Area 24A failed QA. Rework segment and 24A via mag and dig, reprocess through QC and resubmit to QA.				
Directions Given/Received Recommended to rework segment and 24A using mag and dig, reprocess through QC and resubmit for QA.				
Special Notes/Other None				
Visitors None				

Grady Bendel

Name



Signature

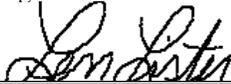
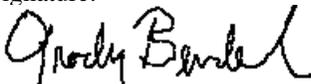
Site UXO QC Specialist

Title

QC Surveillance Report

DACA87-99-D-0010

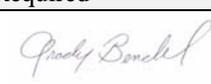
Former Ft. McClellan, AL

1-Activity		
QA Inspection		
2-Phase		
QC Surveillance		
3-References		
TO 20 US Fish and Wild Life		
4-Observed Condition/Activities		
<p style="text-align: center;">U.S. Fish and Wildlife Land Transfer</p> <p>During QA inspection on 04/19/2004 of High Use Area 24A, 3 pieces of scrap were found of which 2 met were failure criteria. They were located as follows: Item #1 metal scrap 65mm in width at N33.41.085 and W085.45.483 at of depth 7". Item #2 metal scrap 72mm in width at N33.41.101 and W085.45.484 at depth of 4". Item #3 metal stranded cable 5/8" in width at N33.41.484 and W085.45.484 at depth of 3". The area failed QA Sampling. Under the acceptance criteria 2 of the 3 items found constitutes a QA failure. Personnel involved: Grady Bendel UXOQC, Walt Zange Army COE, Todd Steelman UXO II, Danny Paul USA UXO II</p>		
Conducted By: Grady Bendel	Signature: 	Date: 4/19/2004
5-Site UXO QC Specialist Review		
Comments: Performed Root Cause Analysis to determine requirements to rectify QA failure. Determined that the 3 items found had not been picked by the Geophysist. Also found that this area had possible weak GPS reception and could be attributed to the cause. Discussed the area of concern with the SUXOS and Army COE and determined and recommended that the area from segment 187 border and east be reworked using mag and dig. Will then recheck for QC and submit for Army COE QA.		
<input type="checkbox"/> Acceptable <input checked="" type="checkbox"/> Unacceptable	Deficiency Report #: N/A Non-Conformance Report #: TO-20 NCR-08	
Name: Grady Bendel	Signature: 	Date: 4/19/2004

NONCONFORMANCE REPORT

		Report No. TO-20 NCR-09
Client: COE Huntsville		Project Number: DACA87-99-D-0010
Project: Former Ft. McClellan TO-20		Specific Process: Intrusive Excavation
Description of Process: Quality Assurance (QA) inspection.		
I. Description of Nonconformance <i>(Items involved, specification, code or standard to which items do not comply, submit sketch if applicable)</i>		
During QA checks in the segment 164, the USACE/QA recovered ferrous metal items that met the following failure criteria (measurement along the principle axis is 3 times the diameter, which is between 37mm projectile and a 155mm projectile at a depth of less than 11 diameters of the object). The recovered item was a 75mm projectile, empty casing. It was located 77' below fiducial 816 and 12' 6" right of centerline at a depth of 11". As a result, segment 164 failed quality assurance.		
Name and Signature of Person Reporting Nonconformance	Title/Company	Date
Grady Bendel 	UXO Site QC	04-19-04
II. Root Cause Analysis		
Immediate Causes: What actions and conditions contributed to this event? Check all that apply:		
Substandard Acts		
<input type="checkbox"/> Operating equipment without authority	<input checked="" type="checkbox"/> Inadequate inspection/peer review	
<input checked="" type="checkbox"/> Failure to follow/improper execution of procedure	<input type="checkbox"/> Poor judgment	
<input type="checkbox"/> Using equipment improperly	<input checked="" type="checkbox"/> Failure to communicate—written and/or verbal	
<input type="checkbox"/> Improper servicing/maintenance of equipment	<input type="checkbox"/> Acceptance of defective equipment/material	
<input type="checkbox"/> Under influence of alcohol/drugs	<input type="checkbox"/> Other substandard acts	
<input type="checkbox"/> Horseplay		
Substandard Conditions		
<input type="checkbox"/> Personnel not properly qualified or trained	<input checked="" type="checkbox"/> Inadequate oversight	
<input type="checkbox"/> Defective equipment/material	<input type="checkbox"/> Inadequate procedure/instruction	
Enter brief explanation of each immediate cause below:		
Intrusive activities were started on the segment but the intrusive team was pulled from the segment prior to completing work on it. This resulted in the 75mm casing not being recovered. Qc conducted acceptance sampling in the segment and did not recover any items that met the failure criteria. The segment was turned over to QA.		
Basic Causes: What specific personal or job management system factors contributed to this event? Check all that apply:		
Personal Factors	Job Factors	
<input type="checkbox"/> Inadequate physical/physiological capability	<input type="checkbox"/> Inadequate leadership and/or supervision	
<input type="checkbox"/> Inadequate mental/psychological capability	<input type="checkbox"/> Inadequate engineering	
<input type="checkbox"/> Physical or physiological stress	<input type="checkbox"/> Inadequate purchasing	
<input type="checkbox"/> Lack of knowledge	<input type="checkbox"/> Inadequate maintenance	
<input type="checkbox"/> Lack of skill	<input type="checkbox"/> Inadequate tools and equipment	
<input type="checkbox"/> Improper motivation	<input checked="" type="checkbox"/> Inadequate work standards	
<input checked="" type="checkbox"/> Other personal factors	<input type="checkbox"/> Excessive wear and tear	
<input type="checkbox"/> Abuse and misuse	<input type="checkbox"/> Change	
	<input checked="" type="checkbox"/> Other job factors	
Enter brief explanation of each basic cause below:		
Segment had not been completely cleared prior to QC submission. The intrusive team leader did not communicate that the area was incomplete. This consequence of this miscommunication resulted in the area being turned over to QC for acceptance sampling and once passed submitted to QA.		
Name and Signature of Person Conducting RCA	Title/Company	Date
Grady Bendel 	UXO Site QC	04-19-04

NONCONFORMANCE REPORT

III. Recommended Disposition <i>(Submit sketch, if applicable)</i>			
Rework segment and resubmit to QC.			
Name and Signature of Person Recommending Disposition Grady Bendel 	Title/Company UXO Site QC	Date 04-19-04	
IV. Evaluation of Disposition by Tetra Tech FW, Reason for Disposition			
N/A			
V. Corrective Action <input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required			
Rework area using mag and dig and resubmit to QC for acceptance sampling. Once segment successfully passes QC submitted for US Army COE QA. The data verification procedure will be reiterated to the intrusive team the site management. This will eliminate incomplete area from being turned over to QC.			
VI. <input checked="" type="checkbox"/> QA/QC	<input checked="" type="checkbox"/> SUXOS	<input checked="" type="checkbox"/> Project Manager	<input type="checkbox"/> Other
Name <i>(Signature)</i> 	Name <i>(Signature)</i> 	Name <i>(Signature)</i> 	Name <i>(Signature)</i>
Date 04-19-04	Date 04-19-04	Date 04-19-04	Date
<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments
VII. Verification of Disposition <input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required			
By Grady Bendel	Signature 	Title UXO Site QC	Date 04-19-04

Daily Quality Control Report Form

Tetra Tech FW, Inc.

Date 4/19/2004	Day Monday	Report Number 041904QC822	Project Name Fort McClellan, Alabama	Contract Number DACA87-99-D-0010
Weather/Precipitation Sunny		High 82	Low 52	Wind SW@9
Humidity 43%				
TtFWI Personnel On Site (Reference/Attach Superintendent's Daily Report if Applicable) See Daily Report				
Equipment On Site See Daily Report			Active this Shift Yes/No Yes	
Subcontractors On Site USA Enviromental, Native American Enviromental			Subcontractor's QC Report Attached Yes/No N/A	
Material/Equipment Received (Reference/Attach Inspection Reports) None				
Work Performed QC and QA in TO-20 area				
Quality Control Activities (Reference/Attach Inspection Report).				
<i>Task Order 20 FWS Land Transfer Area</i> Had QA Failure on High Use Area/Range 24, See Surveillance database for this date. Had QA Failure on segment 164, See Surveillance database for this date. QC segments 159, 170. See Surveillance database for this date. <i>Other</i> No Activity				
Problems Encountered/Corrective Actions Taken Segment 164 and High Use Area 24A failed QA. Rework segment and 24A via mag and dig, reprocess through QC and resubmit to QA.				
Directions Given/Received Recommended to rework segment and 24A using mag and dig, reprocess through QC and resubmit for QA.				
Special Notes/Other None				
Visitors None				

Grady Bendel

Name



Signature

Site UXO QC Specialist

Title

QC Surveillance Report

DACA87-99-D-0010

Former Ft. McClellan, AL

1-Activity		
QA Inspection		
2-Phase		
QC Surveillance		
3-References		
TO 20 US Fish and Wild Life		
4-Observed Condition/Activities		
U.S. Fish and Wildlife Land Transfer		
During QA inspection on 04/19/2004 of segment 164, a 75mm empty casing was found. It was located at 77' below fiducial 816 and 12' 6" right at a depth of 11". Segment failed QA Sampling. Under the acceptance criteria this constitutes a QA failure.		
Personnel involved: Grady Bendel UXOQC, Walt Zange Army COE, Todd Steelman UXO II, Danny Paul USA UXO II		
Conducted By: Grady Bendel	Signature:	Date: 4/19/2004
5-Site UXO QC Specialist Review		
Comments: Performed Root Cause Analysis to determine requirements to rectify QA failure. Determined that segment had been started at one time and intrusive team was pulled and sent to perform other work and segment had not been returned to intrusive team. During QC process the section of the segment that was QC'd had been worked and did not find anything to cause a withhold. Recommend that segment be reworked using mag and dig. Will then recheck for QC and submit for Army COE QA.		
<input type="checkbox"/> Acceptable <input checked="" type="checkbox"/> Unacceptable	Deficiency Report #: N/A Non-Conformance Report #: TO-20 NCR-09	
Name: Grady Bendel	Signature: 	Date: 4/19/2004

NONCONFORMANCE REPORT

		Report No. TO-20 NCR-10
Client: COE Huntsville		Project Number: DACA87-99-D-0010
Project: Former Ft. McClellan TO-20		Specific Process: Intrusive Excavation
Description of Process: Intrusively investigate geophysical anomalies selected by the Geophysicist.		
I. Description of Nonconformance <i>(Items involved, specification, code or standard to which items do not comply, submit sketch if applicable)</i>		
During QC Check on segment 014 (geophysical), ferrous metal items that met the following failure criteria (measurement along the principle axis is 3 times the diameter, which is between 37mm projectile and a 155mm projectile at a depth of less than 11 diameters of the object) were discovered. The recovered item was 2 pieces of towing chain. They were located 146' above control point/stake 5802 and left of centerline 15' at a depth of 18". As a result, segment 014 is being withheld.		
Name and Signature of Person Reporting Nonconformance	Title/Company	Date
Grady Bendel 	UXO Site QC	06-07-04
II. Root Cause Analysis		
Immediate Causes: What actions and conditions contributed to this event? Check all that apply:		
Substandard Acts		
<input type="checkbox"/> Operating equipment without authority	<input type="checkbox"/> Inadequate inspection/peer review	
<input checked="" type="checkbox"/> Failure to follow/improper execution of procedure	<input type="checkbox"/> Poor judgment	
<input type="checkbox"/> Using equipment improperly	<input type="checkbox"/> Failure to communicate—written and/or verbal	
<input type="checkbox"/> Improper servicing/maintenance of equipment	<input type="checkbox"/> Acceptance of defective equipment/material	
<input type="checkbox"/> Under influence of alcohol/drugs	<input type="checkbox"/> Other substandard acts	
<input type="checkbox"/> Horseplay		
Substandard Conditions		
<input type="checkbox"/> Personnel not properly qualified or trained	<input checked="" type="checkbox"/> Inadequate oversight	
<input type="checkbox"/> Defective equipment/material	<input type="checkbox"/> Inadequate procedure/instruction	
Enter brief explanation of each immediate cause below:		
The standard operating procedure requires the team leader to conduct a verification check on the excavated anomaly locations. This was not conducted on all excavation locations. This is a process quality control check built into the intrusive excavation process that was not followed by the team leader.		
Basic Causes: What specific personal or job management system factors contributed to this event? Check all that apply:		
Personal Factors	Job Factors	
<input type="checkbox"/> Inadequate physical/physiological capability	<input checked="" type="checkbox"/> Inadequate leadership and/or supervision	
<input type="checkbox"/> Inadequate mental/psychological capability	<input type="checkbox"/> Inadequate engineering	
<input type="checkbox"/> Physical or physiological stress	<input type="checkbox"/> Inadequate purchasing	
<input type="checkbox"/> Lack of knowledge	<input type="checkbox"/> Inadequate maintenance	
<input type="checkbox"/> Lack of skill	<input type="checkbox"/> Inadequate tools and equipment	
<input type="checkbox"/> Improper motivation	<input checked="" type="checkbox"/> Inadequate work standards	
<input checked="" type="checkbox"/> Other personal factors	<input type="checkbox"/> Excessive wear and tear	
	<input type="checkbox"/> Abuse and misuse	
	<input type="checkbox"/> Change	
	<input type="checkbox"/> Other job factors	
Enter brief explanation of each basic cause below:		
The Intrusive Team Leader did not conduct the verification hole check because he stated he was confident in the intrusive teams ability to properly clear the excavation location.		

NONCONFORMANCE REPORT

Name and Signature of Person Conducting RCA <i>Grady Bendel</i> Grady Bendel		Title/Company UXO Site QC	Date 06-07-04
III. Recommended Disposition <i>(Submit sketch, if applicable)</i> Rework Segment 014			
Name and Signature of Person Recommending Disposition <i>Grady Bendel</i> Grady Bendel		Title/Company UXO Site QC	Date 06-07-04
IV. Evaluation of Disposition by Tetra Tech FW, Reason for Disposition N/A			
V. Corrective Action <input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required			
<p>The intrusive team will reworked using mag and dig to ensure the area is properly cleared of all ferrous metal items that would meet the failure criteria.</p> <p>Conduct training for the Intrusive teams on the procedures to clear the excavation location and the necessity to conduct a verification hole check.</p>			
VI. <input checked="" type="checkbox"/> QA/QC	<input checked="" type="checkbox"/> SUXOS	<input checked="" type="checkbox"/> Project Manager	<input type="checkbox"/> Other
Name <i>(Signature)</i> <i>Grady Bendel</i>	Name <i>(Signature)</i> <i>JMB</i>	Name <i>(Signature)</i> <i>Bob Bygg</i>	Name <i>(Signature)</i>
Date 06-07-04	Date 06-07-04	Date 06-07-04	Date
<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments
VII. Verification of Disposition <input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required			
By Grady Bendel	Signature <i>Grady Bendel</i>	Title UXO Site QC	Date 06-07-04

Daily Quality Control Report Form

Tetra Tech FW, Inc.

Date 6/7/2004	Day Monday	Report Number 060704QC850	Project Name Fort McClellan, Alabama	Contract Number DACA87-99-D-0010
Weather/Precipitation Clear, with afternoon chance of T-storms		High 88	Low 67	Wind SWS@5-10
Humidity 89%				
TtFWI Personnel On Site (Reference/Attach Superintendent's Daily Report if Applicable) See Daily Report				
Equipment On Site See Daily Report			Active this Shift Yes/No Yes	
Subcontractors On Site None			Subcontractor's QC Report Attached Yes/No N/A	
Material/Equipment Received (Reference/Attach Inspection Reports) None				
Work Performed QC of TO-20 Segments and High Use Areas				
Quality Control Activities (Reference/Attach Inspection Report).				
<p><i>Task Order 20 FWS Land Transfer Area</i></p> <p>Observed QC Follow-up inspection on Backhoe team. See this days surveillance database. QC Withheld segment 014. See this day's surveillance database. Rechecked Segment 014. Submitted segment 014 to Army COE. See this days surveillance database.</p> <p><i>Other</i></p> <p>No Activity</p>				
Problems Encountered/Corrective Actions Taken				
<p>Upon review of Root Cause Analysis on segment 014, ferrous metal items that met failure criteria were discovered. The recovered item was 2 pieces of towing chain. They were located 146' above control point/stake 5802 and left of centerline 15' at a depth of 18". As a result, segment 014 is being withheld. Recommended that the area be reworked using mag and dig and then reprocess through QC.</p>				
Directions Given/Received				
<p>Recommended that the area be reworked using mag and dig and then reprocess through QC.</p>				
Special Notes/Other				
None				
Visitors				
None				

Grady Bendel

Name



Signature

Site UXO QC Specialist

Title

QC Surveillance Report

DACA87-99-D-0010

Former Ft. McClellan, AL

1-Activity		
QC Team		
2-Phase		
QC Surveillance		
3-References		
TO 20 US Fish and Wild Life		
4-Observed Condition/Activities		
<p style="text-align: center;">U.S. Fish and Wildlife Land Transfer</p> <p>During QC check of segment 014, 2 pieces of towing chain were found. It was located 146' above CP5802 and left 15' at a depth of 18". Under the acceptance criteria this constitutes a failure. Rechecked segment 014.</p> <p>Personnel involved: Grady Bendel UXOQC, Phil Whitley UXO II</p>		
Conducted By: Grady Bendel	Signature:	Date: 6/7/2004
5-Site UXO QC Specialist Review		
Comments: Perform Root Cause Analysis and determine requirements needed to rectify failure. Recommend that segment be reworked using Mag and Dig and then will QC and submit to Army COE for QA.		
<input type="checkbox"/> Acceptable <input checked="" type="checkbox"/> Unacceptable	Deficiency Report #: N/A Non-Conformance Report #: TO-20 NCR-10	
Name: Grady Bendel	Signature: 	Date: 6/7/2004

NONCONFORMANCE REPORT

		Report No. TO-20 NCR-11
Client: COE Huntsville		Project Number: DACA87-99-D-0010
Project: Former Ft. McClellan TO-20		Specific Process: Intrusive Excavation
Description of Process: Intrusively investigate geophysical anomalies selected by the Geophysicist.		
I. Description of Nonconformance <i>(Items involved, specification, code or standard to which items do not comply, submit sketch if applicable)</i>		
<p>During QC Check on segment 012 (geophysical), ferrous metal items that met the following failure criteria (measurement along the principle axis is 3 times the diameter, which is between 37mm projectile and a 155mm projectile at a depth of less than 11 diameters of the object) were discovered. The recovered items were a steel plate, 6" x 8" x 1/2", 5' above fiducial 028, left 15' 8" of centerline and a Rifle Grenade, Smoke (M122) at flag 027. As a result, segment 012 is being withheld.</p>		
Name and Signature of Person Reporting Nonconformance	Title/Company	Date
Grady Bendel 	UXO Site QC	06-16-04
II. Root Cause Analysis		
Immediate Causes: What actions and conditions contributed to this event? Check all that apply:		
Substandard Acts		
<input type="checkbox"/> Operating equipment without authority	<input type="checkbox"/> Inadequate inspection/peer review	
<input checked="" type="checkbox"/> Failure to follow/improper execution of procedure	<input type="checkbox"/> Poor judgment	
<input type="checkbox"/> Using equipment improperly	<input type="checkbox"/> Failure to communicate—written and/or verbal	
<input type="checkbox"/> Improper servicing/maintenance of equipment	<input type="checkbox"/> Acceptance of defective equipment/material	
<input type="checkbox"/> Under influence of alcohol/drugs	<input type="checkbox"/> Other substandard acts	
<input type="checkbox"/> Horseplay		
Substandard Conditions		
<input type="checkbox"/> Personnel not properly qualified or trained	<input checked="" type="checkbox"/> Inadequate oversight	
<input type="checkbox"/> Defective equipment/material	<input type="checkbox"/> Inadequate procedure/instruction	
Enter brief explanation of each immediate cause below:		
The standard operating procedure requires the team leader to conduct a verification check on the excavated anomaly locations. This was not conducted on all excavation locations. This is a process quality control check built into the intrusive excavation process that was not followed by the team leader.		
Basic Causes: What specific personal or job management system factors contributed to this event? Check all that apply:		
Personal Factors	Job Factors	
<input type="checkbox"/> Inadequate physical/physiological capability	<input checked="" type="checkbox"/> Inadequate leadership and/or supervision	
<input type="checkbox"/> Inadequate mental/psychological capability	<input type="checkbox"/> Inadequate engineering	
<input type="checkbox"/> Physical or physiological stress	<input type="checkbox"/> Inadequate purchasing	
<input type="checkbox"/> Lack of knowledge	<input type="checkbox"/> Inadequate maintenance	
<input type="checkbox"/> Lack of skill	<input type="checkbox"/> Inadequate tools and equipment	
<input type="checkbox"/> Improper motivation	<input checked="" type="checkbox"/> Inadequate work standards	
<input checked="" type="checkbox"/> Other personal factors	<input type="checkbox"/> Excessive wear and tear	
	<input type="checkbox"/> Abuse and misuse	
	<input type="checkbox"/> Change	
	<input type="checkbox"/> Other job factors	
Enter brief explanation of each basic cause below:		

NONCONFORMANCE REPORT

The Intrusive Team Leader did not adequately conduct the verification hole check this resulted in the items being left in place. The intrusive team did not effectively search the total radius of the anomaly location.

Name and Signature of Person Conducting RCA <div style="text-align: center;"></div> Grady Bendel	Title/Company UXO Site QC	Date 06-16-04
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III. Recommended Disposition *(Submit sketch, if applicable)*

Rework Segment 012

Name and Signature of Person Recommending Disposition <div style="text-align: center;"></div> Grady Bendel	Title/Company UXO Site QC	Date 06-16-04
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IV. Evaluation of Disposition by Tetra Tech FW, Reason for Disposition

N/A

V. Corrective Action Required Not Required

Rework Segment 012 using mag and dig procedures to ensure the area is properly cleared of all ferrous metal items that would meet the failure criteria and then resubmit to QC for acceptance sampling.
Conduct training for the Intrusive teams on the procedures to clear the excavation location and the necessity to conduct a verification hole check this will include the proper search radius around a flagged anomaly location.

VI. <input checked="" type="checkbox"/> QA/QC	<input checked="" type="checkbox"/> SUXOS	<input checked="" type="checkbox"/> Project Manager	<input type="checkbox"/> Other
Name <i>(Signature)</i> <div style="text-align: center;"></div>	Name <i>(Signature)</i> <div style="text-align: center;"></div>	Name <i>(Signature)</i> <div style="text-align: center;"></div>	Name <i>(Signature)</i>
Date 06-16-04	Date 06-16-04	Date 06-16-04	Date
<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments

VII. Verification of Disposition Required Not Required

By Grady Bendel	Signature <div style="text-align: center;"></div>	Title UXO Site QC	Date 06-16-04
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Daily Quality Control Report Form

Tetra Tech FW, Inc.

Date 6/16/2004	Day Wednesday	Report Number 061504QC856	Project Name Fort McClellan, Alabama	Contract Number DACA87-99-D-0010
Weather/Precipitation Mostly Cloudy with chance of afternoon rain		High 88	Low 71	Wind S@5-10
Humidity 89%				
TtFWI Personnel On Site (Reference/Attach Superintendent's Daily Report if Applicable) See Daily Report				
Equipment On Site See Daily Report			Active this Shift Yes/No Yes	
Subcontractors On Site None			Subcontractor's QC Report Attached Yes/No N/A	
Material/Equipment Received (Reference/Attach Inspection Reports) None				
Work Performed Safety/QC of TO-20 Segments and High Use Areas.				
Quality Control Activities (Reference/Attach Inspection Report).				
<i>Task Order 20 FWS Land Transfer Area</i>				
QC 10% checked and passed the following segments: 029, 034, 003, 013, 053 and 011. QC withheld segment 012. See this day's surveillance database.				
Other No Activity				
Problems Encountered/Corrective Actions Taken Upon review of Root Cause Analysis on segment 012, ferrous metal items that met failure criteria were discovered. The recovered items were a steel plate, 6" x 8" x 1/2", 5' above fiducial 028, left 15' 8" of centerline and a Rifle Grenade, Smoke (M122) at flag 027. As a result, segment 012 is being withheld. Recommended that the area be reworked using mag and dig and then reprocess through QC.				
Directions Given/Received Recommended that the area be reworked using mag and dig and then reprocess through QC.				
Special Notes/Other None				
Visitors None				

Grady Bendel

Name



Signature

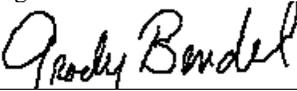
Site UXO QC Specialist

Title

QC Surveillance Report

DACA87-99-D-0010

Former Ft. McClellan, AL

1-Activity		
QC Team		
2-Phase		
QC Surveillance		
3-References		
TO 20 US Fish and Wild Life		
4-Observed Condition/Activities		
U.S. Fish and Wildlife Land Transfer		
During QC check of segment 012, a steel plate 6" x 8" x 1/2", 5' above fiducial 028, left 15' 8" of centerline and 1-M122 rifle smoke at anomaly flag 027 was found. Under the acceptance criteria this constitutes a failure.		
Personnel involved: Grady Bendel UXOQC, Phil Whitley UXO II		
Conducted By: Grady Bendel	Signature:	Date: 6/16/2004
5-Site UXO QC Specialist Review		
Comments: Performed Root Cause Analysis to determine requirements needed to rectify failure. Recommend that segment be reworked using Mag and Dig and then will QC and submit to Army COE for QA.		
<input type="checkbox"/> Acceptable <input checked="" type="checkbox"/> Unacceptable	Deficiency Report #: N/A Non-Conformance Report #: TO-20 NCR-11	
Name: Grady Bendel	Signature: 	Date: 6/16/2004

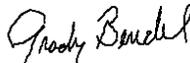
Daily Quality Control Report Form

Tetra Tech FW, Inc.

Date 6/22/2004	Day Tuesday	Report Number 062204QC858	Project Name Fort McClellan, Alabama	Contract Number DACA87-99-D-0010
Weather/Precipitation Partly Cloudy with chance of afternoon T-Storm		High 86	Low 71	Wind WSW@5-10
Humidity 90%				
TtFWI Personnel On Site (Reference/Attach Superintendent's Daily Report if Applicable) See Daily Report				
Equipment On Site See Daily Report			Active this Shift Yes/No Yes	
Subcontractors On Site None			Subcontractor's QC Report Attached Yes/No N/A	
Material/Equipment Received (Reference/Attach Inspection Reports) None				
Work Performed Safety/QC for operation in TO-20 and TO-22				
Quality Control Activities (Reference/Attach Inspection Report). <i>Task Order 20 FWS Land Transfer Area</i> QC passed segment 012, See database for today's date <i>Other</i> No Activity				
Problems Encountered/Corrective Actions Taken None				
Directions Given/Received None				
Special Notes/Other None				
Visitors None				

Grady Bendel

Name



Signature

Site UXO QC Specialist

Title

QC Surveillance Report

DACA87-99-D-0010

Former Ft. McClellan, AL

1-Activity		
QC Team		
2-Phase		
QC Surveillance		
3-References		
TO 20 US Fish and Wild Life		
4-Observed Condition/Activities		
U.S. Fish and Wildlife Land Transfer		
QC segment 012, checked 1 of 16 flags, 007. Swept 91' of road's center and sides to 15', found no failure criteria.		
Personnel involved: Grady Bendel UXOQC, Phil Whitley UXO II		
Conducted By: QC Team	Signature:	Date: 6/22/2004
5-Site UXO QC Specialist Review		
Comments: Segment 012 contained nothing of failure criteria during QC 10% checks, recommend for QA by ACOE representative.		
<input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable	Deficiency Report #: N/A Non-Conformance Report #: N/A	
Name: Grady Bendel	Signature: 	Date: 6/22/2004

NONCONFORMANCE REPORT

		Report No. TO-20 NCR-12
Client: COE Huntsville		Project Number: DACA87-99-D-0010
Project: Former Ft. McClellan TO-20		Specific Process: Intrusive Excavation
Description of Process: Intrusively investigate geophysical anomalies selected by the Geophysicist.		
I. Description of Nonconformance <i>(Items involved, specification, code or standard to which items do not comply, submit sketch if applicable)</i>		
<p>During QC Check on segment 035 (geophysical), ferrous metal items that met the following failure criteria (measurement along the principle axis is 3 times the diameter, which is between 37mm projectile and a 155mm projectile at a depth of less than 11 diameters of the object) were discovered. The recovered items were 3 - 3/4" x 3" counter sink bolts and nuts. Located 28' above fiducial 169 and 8' left of centerline at a depth of 3".</p> <p>As a result, segment 035 is being withheld.</p>		
Name and Signature of Person Reporting Nonconformance	Title/Company	Date
Grady Bendel 	UXO Site QC	06-23-04
II. Root Cause Analysis		
Immediate Causes: What actions and conditions contributed to this event? Check all that apply:		
Substandard Acts		
<input type="checkbox"/> Operating equipment without authority	<input type="checkbox"/> Inadequate inspection/peer review	
<input checked="" type="checkbox"/> Failure to follow/improper execution of procedure	<input type="checkbox"/> Poor judgment	
<input type="checkbox"/> Using equipment improperly	<input type="checkbox"/> Failure to communicate—written and/or verbal	
<input type="checkbox"/> Improper servicing/maintenance of equipment	<input type="checkbox"/> Acceptance of defective equipment/material	
<input type="checkbox"/> Under influence of alcohol/drugs	<input type="checkbox"/> Other substandard acts	
<input type="checkbox"/> Horseplay		
Substandard Conditions		
<input type="checkbox"/> Personnel not properly qualified or trained	<input checked="" type="checkbox"/> Inadequate oversight	
<input type="checkbox"/> Defective equipment/material	<input type="checkbox"/> Inadequate procedure/instruction	
Enter brief explanation of each immediate cause below:		
The standard operating procedure requires the team leader to ensure the mag and dig sweeps are conducted at a speed that allows for total coverage of the mag and dig lanes. Sweeping to fast allows for gaps in the sensor sweep area.		
Basic Causes: What specific personal or job management system factors contributed to this event? Check all that apply:		
Personal Factors	Job Factors	
<input type="checkbox"/> Inadequate physical/physiological capability	<input type="checkbox"/> Inadequate leadership and/or supervision	
<input type="checkbox"/> Inadequate mental/psychological capability	<input type="checkbox"/> Inadequate engineering	
<input type="checkbox"/> Physical or physiological stress	<input type="checkbox"/> Inadequate purchasing	
<input type="checkbox"/> Lack of knowledge	<input type="checkbox"/> Inadequate maintenance	
<input type="checkbox"/> Lack of skill	<input type="checkbox"/> Inadequate tools and equipment	
<input type="checkbox"/> Improper motivation	<input checked="" type="checkbox"/> Inadequate work standards	
<input checked="" type="checkbox"/> Other personal factors	<input type="checkbox"/> Excessive wear and tear	
	<input type="checkbox"/> Abuse and misuse	
	<input type="checkbox"/> Change	
	<input type="checkbox"/> Other job factors	
Enter brief explanation of each basic cause below:		
The Intrusive Team Leader failed to ensure team members follow proper sweep procedures. This resulted in ferrous metal items being missed that meet the failure criteria.		

NONCONFORMANCE REPORT

Name and Signature of Person Conducting RCA <i>Grady Bendel</i> Grady Bendel		Title/Company UXO Site QC	Date 06-23-04
III. Recommended Disposition <i>(Submit sketch, if applicable)</i> Rework segment 035.			
Name and Signature of Person Recommending Disposition <i>Grady Bendel</i> Grady Bendel		Title/Company UXO Site QC	Date 06-23-04
IV. Evaluation of Disposition by Tetra Tech FW, Reason for Disposition N/A			
V. Corrective Action <input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required			
The intrusive team will rework segment 035 and ensure all ferrous metal items that would meet the failure criteria are cleared. Conduct training for the Intrusive teams on mag and dig procedures reiterating the proper sweep speed and sensor search area.			
VI. <input checked="" type="checkbox"/> QA/QC	<input checked="" type="checkbox"/> SUXOS	<input checked="" type="checkbox"/> Project Manager	<input type="checkbox"/> Other
Name <i>(Signature)</i> <i>Grady Bendel</i>	Name <i>(Signature)</i> <i>JMB</i>	Name <i>(Signature)</i> <i>Bob Bygg</i>	Name <i>(Signature)</i>
Date 06-23-04	Date 06-23-04	Date 06-23-04	Date
<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments
VII. Verification of Disposition <input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required			
By Grady Bendel	Signature <i>Grady Bendel</i>	Title UXO Site QC	Date 06-23-04

Daily Quality Control Report Form

Tetra Tech FW, Inc.

Date 6/23/2004	Day Wednesday	Report Number 062304QC859	Project Name Fort McClellan, Alabama	Contract Number DACA87-99-D-0010
Weather/Precipitation Partly Cloudy with 70% chance of T-Storms		High 84	Low 71	Wind WSW@10-15
Humidity 90%				
TtFWI Personnel On Site (Reference/Attach Superintendent's Daily Report if Applicable) See Daily Report				
Equipment On Site See Daily Report			Active this Shift Yes/No Yes	
Subcontractors On Site None			Subcontractor's QC Report Attached Yes/No N/A	
Material/Equipment Received (Reference/Attach Inspection Reports) None				
Work Performed QC/Safety of TO-20 US Fish and Wildlife Land Transfer				
Quality Control Activities (Reference/Attach Inspection Report).				
<i>Task Order 20 FWS Land Transfer Area</i> QC passed segments 007, 008, 015, 016, 018, 019, 020, 021, 022, 023, 033, 036, 037, 040 See surveillance database for this date QC Withheld segment 035, See surveillance database for this date <i>Other</i> No Activity				
Problems Encountered/Corrective Actions Taken Upon review of Root Cause Analysis on segment 035, ferrous metal items that met failure criteria were discovered. The recovered items were 3 - 3/4" x 3" counter sink bolts and nuts. Located 28' above fiducial 169 and 8' left of centerline at a depth of 3". As a result, segment 035 is being withheld. Recommended that the area be reworked using mag and dig, outside the VTA area, and then reprocess through QC.				
Directions Given/Received Recommended that the area be reworked using mag and dig and then reprocess through QC.				
Special Notes/Other None				
Visitors None				

Grady Bendel

Name



Signature

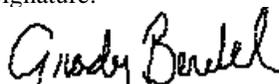
Site UXO QC Specialist

Title

QC Surveillance Report

DACA87-99-D-0010

Former Ft. McClellan, AL

1-Activity		
QC Team		
2-Phase		
QC Surveillance		
3-References		
TO 20 US Fish and Wild Life		
4-Observed Condition/Activities		
U.S. Fish and Wildlife Land Transfer		
During QC check on 06/23/04 of segment 035, 3 - 3/4" x 3" counter sink bolts and nuts were found. Located 28' above fiducial 169 and left 8' at a depth of 3". Grid failed QC sampling, Intrusive team did not locate the bolts and nuts during magnetometer and dig operations. Under the acceptance criteria this constitutes a QC withhold.		
Personnel involved: Grady Bendel UXOQC, Phil Whitley UXO II, Jason Soth UXO II		
Conducted By: Grady Bendel	Signature: 	Date: 6/23/2004
5-Site UXO QC Specialist Review		
Comments: Perform Root Cause Analysis of segment 035 and determine requirements needed to rectify failure. Recommend that segment be reworked using mag and dig on sides outside VTA area and then will QC and submit to Army COE for QA.		
<input type="checkbox"/> Acceptable <input checked="" type="checkbox"/> Unacceptable	Deficiency Report #: N/A Non-Conformance Report #: TO-20 NCR-12	
Name: Grady Bendel	Signature: 	Date: 6/23/2004

Daily Quality Control Report Form

Tetra Tech FW, Inc.

Date 6/24/2004	Day Thursday	Report Number 062404QC860	Project Name Fort McClellan, Alabama	Contract Number DACA87-99-D-0010
Weather/Precipitation Scattered Thunder storms		High 83	Low 68	Wind S@5-10
Humidity 93%				
TtFWI Personnel On Site (Reference/Attach Superintendent's Daily Report if Applicable) See Daily Report				
Equipment On Site See Daily Report			Active this Shift Yes/No Yes	
Subcontractors On Site None			Subcontractor's QC Report Attached Yes/No N/A	
Material/Equipment Received (Reference/Attach Inspection Reports) None				
Work Performed QC/Safety of TO-20 US Fish and Wildlife Land Transfer				
Quality Control Activities (Reference/Attach Inspection Report).				
<i>Task Order 20 FWS Land Transfer Area</i> QC passed 24A High Use Area, See surveillance database for this date Performed Follow-up inspection on Intrusive Team 2, See surveillance database for this date. <i>Other</i> No Activity				
Problems Encountered/Corrective Actions Taken None				
Directions Given/Received None				
Special Notes/Other None				
Visitors None				

Grady Bendel

Name



Signature

Site UXO QC Specialist

Title

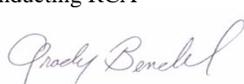
QC Surveillance Report

DACA87-99-D-0010

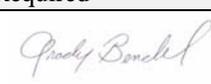
Former Ft. McClellan, AL

1-Activity		
QC Team		
2-Phase		
QC Surveillance		
3-References		
TO 20 US Fish and Wild Life		
4-Observed Condition/Activities		
U.S. Fish and Wildlife Land Transfer		
Performed QC 10% checkes on reworked area of QA failure		
Personnel involved: Grady Bendel UXOQC, Jason Soth UXO II		
Conducted By: QC Team	Signature:	Date: 6/24/2004
5-Site UXO QC Specialist Review		
Comments: 24A High Use Area contained nothing of failure criteria during QC 10% checks, recommend for QA by ACOE representative.		
<input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable	Deficiency Report #: N/A Non-Conformance Report #: N/A	
Name: Grady Bendel	Signature: 	Date: 6/24/2004

NONCONFORMANCE REPORT

		Report No. TO-20 NCR-13
Client: COE Huntsville		Project Number: DACA87-99-D-0010
Project: Former Ft. McClellan TO-20		Specific Process: Intrusive Excavation
Description of Process: Intrusively investigate geophysical anomalies selected by the Geophysicist.		
I. Description of Nonconformance <i>(Items involved, specification, code or standard to which items do not comply, submit sketch if applicable)</i>		
During QA checks in the segment 085, the USACE/QA recovered ferrous metal items that met the following failure criteria (measurement along the principle axis is 3 times the diameter, which is between 37mm projectile and a 155mm projectile at a depth of less than 11 diameters of the object) were discovered. The recovered items were 1-7" x 3.5" metal cutter and a 2" x 2" x 5" piece of angle iron. It was located at 18' below fiducial 398 and 12' 6" left of centerline on the surface. As a result, segment 085 failed quality assurance.		
Name and Signature of Person Reporting Nonconformance	Title/Company	Date
Grady Bendel 	UXO Site QC	07-15-04
II. Root Cause Analysis		
Immediate Causes: What actions and conditions contributed to this event? Check all that apply:		
Substandard Acts		
<input type="checkbox"/> Operating equipment without authority	<input type="checkbox"/> Inadequate inspection/peer review	
<input checked="" type="checkbox"/> Failure to follow/improper execution of procedure	<input type="checkbox"/> Poor judgment	
<input type="checkbox"/> Using equipment improperly	<input type="checkbox"/> Failure to communicate—written and/or verbal	
<input type="checkbox"/> Improper servicing/maintenance of equipment	<input type="checkbox"/> Acceptance of defective equipment/material	
<input type="checkbox"/> Under influence of alcohol/drugs	<input type="checkbox"/> Other substandard acts	
<input type="checkbox"/> Horseplay		
Substandard Conditions		
<input type="checkbox"/> Personnel not properly qualified or trained	<input checked="" type="checkbox"/> Inadequate oversight	
<input type="checkbox"/> Defective equipment/material	<input type="checkbox"/> Inadequate procedure/instruction	
Enter brief explanation of each immediate cause below:		
Intrusive team did not conduct proper mag and dig procedures on the outer extent of the geophysical data. This resulted in the ferrous metal items being missed.		
Basic Causes: What specific personal or job management system factors contributed to this event? Check all that apply:		
Personal Factors	Job Factors	
<input type="checkbox"/> Inadequate physical/physiological capability	<input type="checkbox"/> Inadequate leadership and/or supervision	
<input type="checkbox"/> Inadequate mental/psychological capability	<input type="checkbox"/> Inadequate engineering	
<input type="checkbox"/> Physical or physiological stress	<input type="checkbox"/> Inadequate purchasing	
<input type="checkbox"/> Lack of knowledge	<input type="checkbox"/> Inadequate maintenance	
<input type="checkbox"/> Lack of skill	<input type="checkbox"/> Inadequate tools and equipment	
<input type="checkbox"/> Improper motivation	<input checked="" type="checkbox"/> Inadequate work standards	
<input checked="" type="checkbox"/> Other personal factors	<input type="checkbox"/> Excessive wear and tear	
	<input type="checkbox"/> Abuse and misuse	
	<input type="checkbox"/> Change	
	<input type="checkbox"/> Other job factors	
Enter brief explanation of each basic cause below:		
The Intrusive Team Leader failed to ensure a mag and dig clearance was conducted on the outer area of the geophysical data coverage.		
Name and Signature of Person Conducting RCA	Title/Company	Date
Grady Bendel 	UXO Site QC	07-15-04

NONCONFORMANCE REPORT

III. Recommended Disposition <i>(Submit sketch, if applicable)</i>			
Rework segment 085			
Name and Signature of Person Recommending Disposition	Title/Company	Date	
Grady Bendel 	UXO Site QC	07-15-04	
IV. Evaluation of Disposition by Tetra Tech FW, Reason for Disposition			
N/A			
V. Corrective Action <input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required			
Rework segment 085 using mag and dig on the outside extent of the geophysically mapped area. When total geophysical coverage of the area is not possible, ensure area not mapped is delineated for a mag and dig clearance. Then resubmit to QC for acceptance sampling. Upon passing QC submit to US Army COE QA.			
VI. <input checked="" type="checkbox"/> QA/QC	<input checked="" type="checkbox"/> SUXOS	<input checked="" type="checkbox"/> Project Manager	<input type="checkbox"/> Other
Name <i>(Signature)</i>	Name <i>(Signature)</i>	Name <i>(Signature)</i>	Name <i>(Signature)</i>
			
Date 07-15-04	Date 07-15-04	Date 07-15-04	Date
<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments	<input type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Accepted with Comments
VII. Verification of Disposition <input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required			
By	Signature	Title	Date
Grady Bendel		UXO Site QC	07-15-04

Daily Quality Control Report Form

Tetra Tech FW, Inc.

Date 7/15/2004	Day Thursday	Report Number 071504QC871	Project Name Fort McClellan, Alabama	Contract Number DACA87-99-D-0010
Weather/Precipitation Sunny to Partly Cloudy		High 90	Low 71	Wind WSW@5-10
Humidity 68%				
TtFWI Personnel On Site (Reference/Attach Superintendent's Daily Report if Applicable) See Daily Report				
Equipment On Site See Daily Report			Active this Shift Yes/No Yes	
Subcontractors On Site None			Subcontractor's QC Report Attached Yes/No N/A	
Material/Equipment Received (Reference/Attach Inspection Reports) None				
Work Performed QC/Safety for TO-01 Bravo EE/CA Additional Transects and TO-20 Fish and Wildlife Land Transfer				
Quality Control Activities (Reference/Attach Inspection Report).				
<i>Task Order 20 FWS Land Transfer Area</i> QC passed segments:001, 002, 004, 025, 026, 041, 042, 043, 044, 045 .See this day's surveillance database. QA Failed Segment 085, See this day's surveillance database. <i>Other</i> TO 23 General Management Completed Weekly Explosive Inventory, See surveillance database for this date.				
Problems Encountered/Corrective Actions Taken Segment 164 and High Use Area 24A failed QA. Rework segment and 24A via mag and dig, outside the VTA area, reprocess through QC and resubmit to QA.				
Directions Given/Received Recommended to rework segment and 24A using mag and dig outside the VTA area, reprocess through QC and resubmit for QA.				
Special Notes/Other None				
Visitors None				

Grady Bendel

Name



Signature

Site UXO QC Specialist

Title

QC Surveillance Report

DACA87-99-D-0010

Former Ft. McClellan, AL

1-Activity		
QA Inspection		
2-Phase		
Follow Up		
3-References		
TO 20 US Fish and Wild Life		
4-Observed Condition/Activities		
<p style="text-align: center;">U.S. Fish and Wildlife Land Transfer</p> <p>During QA inspection on 07/15/2004 of segment 085, 1- 7" x 3.5" metal cutter, 2" x 2" x 5" angle iron was found. It was located at 18' below fiducial 398 and 12' 6" left on the surface. Segment failed QA Sampling.</p> <p>Personnel involved: Grady Bendel UXOQC, Jason Soth UXO II, Todd Steelman UXO II</p>		
Conducted By: Grady Bendel	Signature: 	Date: 7/15/2004
5-Site UXO QC Specialist Review		
Comments: Performed Root Cause Analysis to determine requirements needed to rectify failure. Recommend that segment area be reworked using Mag and Dig on sides outside VTA area and then will QC and resubmit to Army COE for QA.		
<input type="checkbox"/> Acceptable <input checked="" type="checkbox"/> Unacceptable	Deficiency Report #: N/A Non-Conformance Report #: TO-20 NCR-13	
Name: Grady Bendel	Signature: 	Date: 7/15/2004

Daily Quality Control Report Form

Tetra Tech FW, Inc.

Date 7/19/2004	Day Monday	Report Number 071904QC872	Project Name Fort McClellan, Alabama	Contract Number DACA87-99-D-0010
Weather/Precipitation Clear and Sunny		High 88	Low 65	Wind Light and Varied
Humidity 93%				
TtFWI Personnel On Site (Reference/Attach Superintendent's Daily Report if Applicable) See Daily Report				
Equipment On Site See Daily Report			Active this Shift Yes/No Yes	
Subcontractors On Site None			Subcontractor's QC Report Attached Yes/No N/A	
Material/Equipment Received (Reference/Attach Inspection Reports) None				
Work Performed QC/Safety for TO-01 Bravo EE/CA Additional Transects and TO-20 Fish and Wildlife Land Transfer				
Quality Control Activities (Reference/Attach Inspection Report).				
<i>Task Order 20 FWS Land Transfer Area</i> Inspected segments stakes: 025, 026, 041, 042, 043, 044, 045 Observed Segment 085 rework and QC area, See this day's surveillance database. <i>Other</i> No Activity				
Problems Encountered/Corrective Actions Taken None				
Directions Given/Received None				
Special Notes/Other None				
Visitors None				

Grady Bendel

Name



Signature

Site UXO QC Specialist

Title

QC Surveillance Report

DACA87-99-D-0010

Former Ft. McClellan, AL

1-Activity		
QC Team		
2-Phase		
Follow Up		
3-References		
TO 20 US Fish and Wild Life		
4-Observed Condition/Activities		
U.S. Fish and Wildlife Land Transfer		
QC segment 085 (re-check). Swept the roads sides to 15', found no failure criteria.		
Personnel involved: Grady Bendel UXOQC, Jason Soth UXO II, Todd Steelman UXO II		
Conducted By: Grady Bendel	Signature: 	Date: 7/19/2004
5-Site UXO QC Specialist Review		
Comments: Rechecked segment 085 contained nothing of failure criteria during QC 10% checks, recommend resubmission for QA by ACOE representative.		
<input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable	Deficiency Report #: N/A Non-Conformance Report #: N/A	
Name: Grady Bendel	Signature: 	Date: 7/19/2004